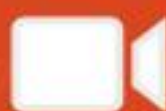




< **WEB** >
icons



WEB Icons

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About the Tutorial

We have a number of **Icon Fonts** (libraries) available that can be used on HTML pages just the way we use normal text fonts. Font Awesome, Bootstrap Glyphicons, and Google's Material Icons are the prominent Icon Fonts used frequently by web developers. This tutorial explains how to use these Icon Fonts in practice.

Audience

This tutorial is meant for HTML developers who would like to use icons on their webpages.

Prerequisites

This tutorial is meant for HTML developers who would like to use icons on their webpages.

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1. WEB ICONS – INTRODUCTION

An icon is a symbol that is used to represent a specific action or a capability on a webpage. Icons are used in documents as well as applications and they can be either selectable or non-selectable. For example, the images that we see on the buttons of an application are all icons and these buttons are selectable. Similarly, when we use an icon as a company logo, it is normally non-selectable.

In Windows environment, if we mute the system volume, it will be represented with the help of an icon, as shown below.



Using web icons, we can represent a loading page, a disabled option, a link, a redirection, etc. These icons can be flipped, rotated, resized, bordered, inverted, and colored.

Icon Fonts

Icon Fonts contain symbols and glyphs. Once you load a desired font, you can use any of the icons provided by that font using the class name of the icon. We can also apply different colors to the icons and resize them using the CSS properties. There are several icon libraries(fonts) that provide icons. This tutorial focuses on three main fonts, namely –

- Font Awesome
- Bootstrap Glyphicons
- Google's Material Icons

Font Awesome

This font provides 519 free scalable vector icons. This library is completely free, for both personal as well as commercial use. These icons can be customized easily. Originally, they were developed for Bootstrap.

Bootstrap Glyphicons

This is a library of monochromatic icons available in raster image formats, vector image formats, and as fonts. It provides over 250 glyphs in font format. You can use these fonts in your web projects. These icons are not free, however you can use them in Bootstrap based projects without having to purchase them.

Google's Material Icons

Google provides about 750 icons designed under "material designed guidelines" and these are known as **Material Design** icons. These icons are simple and they support all modern web browsers. Since these icons are vector based, they are scalable as well. To use these icons, we have to load the font (library) **material-icons**.

Part 1 – Font Awesome

2. FONT AWESOME ICONS

Font Awesome icons library provides 519 free scalable vector icons. This library is completely free for both personal and commercial use. Originally designed for Bootstrap, these icons can be customized easily.

Loading the Font Library

To load the Font Awesome library, copy and paste the following line in the <head> section of the webpage.

```
<head>
  <link rel="stylesheet" href="http://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.3.0/css/font-awesome.min.css">
</head>
```

Using the Icon

Font Awesome provides several icons. Choose one of them and add the name of the icon class to any HTML element within the < body > tag. In the following example, we have used the icon of the Indian currency.

```
<html>
  <head>
    <link rel="stylesheet" href="http://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.3.0/css/font-awesome.min.css">
  </head>

  <body>
    <i class="fa fa-inr"></i>
  </body>

</html>
```

It will produce the following output:

Defining the Size

You can increase or decrease the size of an icon by defining its size using CSS and using it along with the class name, as shown below. In the given example, we have declared the size as 6 em.

```
<html>
  <head>
    <link rel="stylesheet" href="http://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.3.0/css/font-awesome.min.css">

    <style>
      i.mysize {font-size: 10em;}
    </style>

  </head>

  <body>
    <i class="fa fa-inr mysize"></i>
  </body>

</html>
```

It will produce the following output:

Defining the Color

Just like size, you can define the color of the icons using CSS. The following example shows how to change the color of the Indian currency icon.

```
<html>
  <head>
    <link rel="stylesheet" href="http://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.3.0/css/font-awesome.min.css">

    <style>
```

```
        i.custom {font-size: 6em; color: red;}
    </style>

</head>

<body>
    <i class="fa fa-inr custom"></i>
</body>

</html>
```

List of Categories

Font Awesome provides 519 icons in the following categories –

- Web Application Icons
- Hand Icons
- Transportation Icons
- Gender Icons
- File Type Icons
- Spinner Icons
- Form Control Icons
- Payment Icons
- Chart Icons
- Currency Icons
- Text editor Icons
- Directional Icons
- Video Player Icons
- Brand Icons

To use any of these icons, you have to replace the class name in the programs given in this chapter with the class name of the desired icon. In the coming chapters of this Unit (Font Awesome), we have explained category-wise the usage and the respective outputs of various Font Awesome icons.

3. FONT AWESOME – WEB ICONS

This chapter explains the usage of Font Awesome Web Application icons. Assume that **custom** is the CSS class name where we defined the size and color, as shown in the example given below.

```
<html>
  <head>
    <link rel="stylesheet" href="http://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.3.0/css/font-awesome.min.css">

    <style>
      i.custom {font-size: 2em; color: gray;}
    </style>

  </head>

  <body>
    <i class="fa fa-adjust custom"></i>
  </body>

</html>
```

The following table shows the usage and the results of Font Awesome Web Application icons. Replace the < body > tag of the above program with the code given in the table to get the respective outputs:

Usage	Result
<i class="fa fa-adjust custom"></i>	
<i class="fa fa-anchor custom"></i>	

<code><i class="fa fa-archive custom"></i></code>	
<code><i class="fa fa-area-chart custom"></i></code>	
<code><i class="fa fa-arrows custom"></i></code>	
<code><i class="fa fa-arrows-h custom"></i></code>	
<code><i class="fa fa-arrows-v custom"></i></code>	
<code><i class="fa fa-asterisk custom"></i></code>	
<code><i class="fa fa-at custom"></i></code>	
<code><i class="fa fa-automobile custom"></i></code>	
<code><i class="fa fa-balance-scale custom"></i></code>	
<code><i class="fa fa-ban custom"></i></code>	
<code><i class="fa fa-bank custom"></i></code>	
<code><i class="fa fa-bar-chart custom"></i></code>	
<code><i class="fa fa-bar-chart-o custom"></i></code>	
<code><i class="fa fa-barcode custom"></i></code>	
<code><i class="fa fa-bars custom"></i></code>	

<code><i class="fa fa-bed custom"></i></code>	
<code><i class="fa fa-beer custom"></i></code>	
<code><i class="fa fa-bell custom"></i></code>	
<code><i class="fa fa-wrench custom"></i></code>	
<code><i class="fa fa-bell-o custom"></i></code>	
<code><i class="fa fa-bell-slash custom"></i></code>	
<code><i class="fa fa-bell-slash-o custom"></i></code>	
<code><i class="fa fa-bicycle custom"></i></code>	
<code><i class="fa fa-battery-0 custom"></i></code>	
<code><i class="fa fa-battery-1 custom"></i></code>	
<code><i class="fa fa-battery-2 custom"></i></code>	
<code><i class="fa fa-battery-3 custom"></i></code>	
<code><i class="fa fa-battery-4 custom"></i></code>	
<code><i class="fa fa-battery-empty custom"></i></code>	
<code><i class="fa fa-battery-quarter custom"></i></code>	

<code><i class="fa fa-battery-half custom"></i></code>	
<code><i class="fa fa-battery-three-quarters custom"></i></code>	
<code><i class="fa fa-battery-full custom"></i></code>	
<code><i class="fa fa-birthday-cake custom"></i></code>	
<code><i class="fa fa-bolt custom"></i></code>	
<code><i class="fa fa-bomb custom"></i></code>	
<code><i class="fa fa-book custom"></i></code>	
<code><i class="fa fa-bookmark custom"></i></code>	
<code><i class="fa fa-bookmark-o custom"></i></code>	
<code><i class="fa fa-briefcase custom"></i></code>	
<code><i class="fa fa-bug custom"></i></code>	
<code><i class="fa fa-building custom"></i></code>	
<code><i class="fa fa-building-o custom"></i></code>	
<code><i class="fa fa-bullhorn custom"></i></code>	
<code><i class="fa fa-bullseye custom"></i></code>	

<code><i class="fa fa-bus custom"></i></code>	
<code><i class="fa fa-cab custom"></i></code>	
<code><i class="fa fa-video-camera custom"></i></code>	
<code><i class="fa fa-calendar custom"></i></code>	
<code><i class="fa fa-calendar-check-o custom"></i></code>	
<code><i class="fa fa-calendar-minus-o custom"></i></code>	
<code><i class="fa fa-calendar-o custom"></i></code>	
<code><i class="fa fa-calendar-plus-o custom"></i></code>	
<code><i class="fa fa-calendar-times-o custom"></i></code>	
<code><i class="fa fa-camera custom"></i></code>	
<code><i class="fa fa-camera-retro custom"></i></code>	
<code><i class="fa fa-car custom"></i></code>	
<code><i class="fa fa-cc custom"></i></code>	
<code><i class="fa fa-caret-square-o-down custom"></i></code>	
<code><i class="fa fa-caret-square-o-left custom"></i></code>	

<code><i class="fa fa-caret-square-o-right custom"></i></code>	
<code><i class="fa fa-caret-square-o-up custom"></i></code>	
<code><i class="fa fa-cart-arrow-down custom"></i></code>	
<code><i class="fa fa-cart-plus custom"></i></code>	
<code><i class="fa fa-certificate custom"></i></code>	
<code><i class="fa fa-child custom"></i></code>	
<code><i class="fa fa-check custom"></i></code>	
<code><i class="fa fa-check-circle custom"></i></code>	
<code><i class="fa fa-check-circle-o custom"></i></code>	
<code><i class="fa fa-check-square custom"></i></code>	
<code><i class="fa fa-check-square-o custom"></i></code>	
<code><i class="fa fa-circle custom"></i></code>	
<code><i class="fa fa-circle-o custom"></i></code>	
<code><i class="fa fa-circle-o-notch custom"></i></code>	
<code><i class="fa fa-circle-thin custom"></i></code>	

<code><i class="fa fa-clock-o custom"></i></code>	
<code><i class="fa fa-clone custom"></i></code>	
<code><i class="fa fa-close custom"></i></code>	
<code><i class="fa fa-anchor custom"></i></code>	
<code><i class="fa fa-cloud-download custom"></i></code>	
<code><i class="fa fa-cloud-upload custom"></i></code>	
<code><i class="fa fa-code custom"></i></code>	
<code><i class="fa fa-code-fork custom"></i></code>	
<code><i class="fa fa-coffee custom"></i></code>	
<code><i class="fa fa-cog custom"></i></code>	
<code><i class="fa fa-cogs custom"></i></code>	
<code><i class="fa fa-comment custom"></i></code>	
<code><i class="fa fa-comment-o custom"></i></code>	
<code><i class="fa fa-commenting custom"></i></code>	
<code><i class="fa fa-commenting-o custom"></i></code>	

<code><i class="fa fa-comments custom"></i></code>	
<code><i class="fa fa-comments-o custom"></i></code>	
<code><i class="fa fa-compass custom"></i></code>	
<code><i class="fa fa-copyright custom"></i></code>	
<code><i class="fa fa-creative-commons custom"></i></code>	
<code><i class="fa fa-credit-card custom"></i></code>	
<code><i class="fa fa-crop custom"></i></code>	
<code><i class="fa fa-crosshairs custom"></i></code>	
<code><i class="fa fa-cube custom"></i></code>	
<code><i class="fa fa-cubes custom"></i></code>	
<code><i class="fa fa-cutlery custom"></i></code>	
<code><i class="fa fa-dashboard custom"></i></code>	
<code><i class="fa fa-database custom"></i></code>	
<code><i class="fa fa-desktop custom"></i></code>	
<code><i class="fa fa-diamond custom"></i></code>	

<code><i class="fa fa-dot-circle-o custom"></i></code>	
<code><i class="fa fa-download custom"></i></code>	
<code><i class="fa fa-edit custom"></i></code>	
<code><i class="fa fa-ellipsis-h custom"></i></code>	
<code><i class="fa fa-ellipsis-v custom"></i></code>	
<code><i class="fa fa-envelope custom"></i></code>	
<code><i class="fa fa-envelope-o custom"></i></code>	
<code><i class="fa fa-envelope-square custom"></i></code>	
<code><i class="fa fa-eraser custom"></i></code>	
<code><i class="fa fa-exchange custom"></i></code>	
<code><i class="fa fa-exclamation custom"></i></code>	
<code><i class="fa fa-exclamation-circle custom"></i></code>	
<code><i class="fa fa-exclamation-triangle custom"></i></code>	
<code><i class="fa fa-external-link custom"></i></code>	
<code><i class="fa fa-external-link-square custom"></i></code>	

<code><i class="fa fa-eye custom"></i></code>	
<code><i class="fa fa-eye-slash custom"></i></code>	
<code><i class="fa fa-eyedropper custom"></i></code>	
<code><i class="fa fa-fax custom"></i></code>	
<code><i class="fa fa-feed custom"></i></code>	
<code><i class="fa fa-female custom"></i></code>	
<code><i class="fa fa-fighter-jet custom"></i></code>	
<code><i class="fa fa-file-archive-o custom"></i></code>	
<code><i class="fa fa-file-audio-o custom"></i></code>	
<code><i class="fa fa-file-code-o custom"></i></code>	
<code><i class="fa fa-file-excel-o custom"></i></code>	
<code><i class="fa fa-volume-down custom"></i></code>	
<code><i class="fa fa-file-movie-o custom"></i></code>	
<code><i class="fa fa-file-pdf-o custom"></i></code>	
<code><i class="fa fa-file-photo-o custom"></i></code>	

<code><i class="fa fa-file-picture-o custom"></i></code>	
<code><i class="fa fa-file-powerpoint-o custom"></i></code>	
<code><i class="fa fa-file-sound-o custom"></i></code>	
<code><i class="fa fa-file-video-o custom"></i></code>	
<code><i class="fa fa-file-word-o custom"></i></code>	
<code><i class="fa fa-file-sound-o custom"></i></code>	
<code><i class="fa fa-file-video-o custom"></i></code>	
<code><i class="fa fa-file-word-o custom"></i></code>	
<code><i class="fa fa-file-zip-o custom"></i></code>	
<code><i class="fa fa-film custom"></i></code>	
<code><i class="fa fa-filter custom"></i></code>	
<code><i class="fa fa-fire custom"></i></code>	
<code><i class="fa fa-fire-extinguisher custom"></i></code>	
<code><i class="fa fa-flag custom"></i></code>	
<code><i class="fa fa-flag-checkered custom"></i></code>	

<code><i class="fa fa-flag-o custom"></i></code>	
<code><i class="fa fa-flash custom"></i></code>	
<code><i class="fa fa-flask custom"></i></code>	
<code><i class="fa fa-flask custom"></i></code>	
<code><i class="fa fa-folder custom"></i></code>	
<code><i class="fa fa-folder-o custom"></i></code>	
<code><i class="fa fa-folder-open custom"></i></code>	
<code><i class="fa fa-folder-open-o custom"></i></code>	
<code><i class="fa fa-frown-o custom"></i></code>	
<code><i class="fa fa-volume-off custom"></i></code>	
<code><i class="fa fa-gamepad custom"></i></code>	
<code><i class="fa fa-gavel custom"></i></code>	
<code><i class="fa fa-gear custom"></i></code>	
<code><i class="fa fa-gears custom"></i></code>	
<code><i class="fa fa-gift custom"></i></code>	

<code><i class="fa fa-glass custom"></i></code>	
<code><i class="fa fa-globe custom"></i></code>	
<code><i class="fa fa-graduation-cap custom"></i></code>	
<code><i class="fa fa-group custom"></i></code>	
<code><i class="fa fa-hand-grab-o custom"></i></code>	
<code><i class="fa fa-hand-lizard-o custom"></i></code>	
<code><i class="fa fa-hand-paper-o custom"></i></code>	
<code><i class="fa fa-hand-peace-o custom"></i></code>	
<code><i class="fa fa-hand-pointer-o custom"></i></code>	
<code><i class="fa fa-hand-rock-o custom"></i></code>	
<code><i class="fa fa-hand-scissors-o custom"></i></code>	
<code><i class="fa fa-hand-spock-o custom"></i></code>	
<code><i class="fa fa-hand-paper-o custom"></i></code>	
<code><i class="fa fa-hdd-o custom"></i></code>	
<code><i class="fa fa-headphones custom"></i></code>	

<code><i class="fa fa-heart custom"></i></code>	
<code><i class="fa fa-heart-o custom"></i></code>	
<code><i class="fa fa-heartbeat custom"></i></code>	
<code><i class="fa fa-history custom"></i></code>	
<code><i class="fa fa-home custom"></i></code>	
<code><i class="fa fa-hotel custom"></i></code>	
<code><i class="fa fa-hourglass custom"></i></code>	
<code><i class="fa fa-hourglass-start custom"></i></code>	
<code><i class="fa fa-hourglass-half custom"></i></code>	
<code><i class="fa fa-hourglass-end custom"></i></code>	
<code><i class="fa fa-i-cursor custom"></i></code>	
<code><i class="fa fa-image custom"></i></code>	
<code><i class="fa fa-inbox custom"></i></code>	
<code><i class="fa fa-industry custom"></i></code>	
<code><i class="fa fa-info custom"></i></code>	

<code><i class="fa fa-info-circle custom"></i></code>	
<code><i class="fa fa-institution custom"></i></code>	
<code><i class="fa fa-key custom"></i></code>	
<code><i class="fa fa-keyboard-o custom"></i></code>	
<code><i class="fa fa-language custom"></i></code>	
<code><i class="fa fa-laptop custom"></i></code>	
<code><i class="fa fa-leaf custom"></i></code>	
<code><i class="fa fa-legal custom"></i></code>	
<code><i class="fa fa-lemon-o custom"></i></code>	
<code><i class="fa fa-level-down custom"></i></code>	
<code><i class="fa fa-level-up custom"></i></code>	
<code><i class="fa fa-life-bouy custom"></i></code>	
<code><i class="fa fa-life-ring custom"></i></code>	
<code><i class="fa fa-life-saver custom"></i></code>	
<code><i class="fa fa-lightbulb-o custom"></i></code>	

<code><i class="fa fa-line-chart custom"></i></code>	
<code><i class="fa fa-location-arrow custom"></i></code>	
<code><i class="fa fa-lock custom"></i></code>	
<code><i class="fa fa-magic custom"></i></code>	
<code><i class="fa fa-magnet custom"></i></code>	
<code><i class="fa fa-mail-forward custom"></i></code>	
<code><i class="fa fa-mail-reply custom"></i></code>	
<code><i class="fa fa-mail-reply-all custom"></i></code>	
<code><i class="fa fa-male custom"></i></code>	
<code><i class="fa fa-map custom"></i></code>	
<code><i class="fa fa-map-marker custom"></i></code>	
<code><i class="fa fa-map-o custom"></i></code>	
<code><i class="fa fa-map-pin custom"></i></code>	
<code><i class="fa fa-map-signs custom"></i></code>	
<code><i class="fa fa-meh-o custom"></i></code>	

<code><i class="fa fa-microphone custom"></i></code>	
<code><i class="fa fa-microphone-slash custom"></i></code>	
<code><i class="fa fa-minus custom"></i></code>	
<code><i class="fa fa-minus-circle custom"></i></code>	
<code><i class="fa fa-minus-square custom"></i></code>	
<code><i class="fa fa-minus-square-o custom"></i></code>	
<code><i class="fa fa-mobile custom"></i></code>	
<code><i class="fa fa-money custom"></i></code>	
<code><i class="fa fa-moon-o custom"></i></code>	
<code><i class="fa fa-mortar-board custom"></i></code>	
<code><i class="fa fa-motorcycle custom"></i></code>	
<code><i class="fa fa-mouse-pointer custom"></i></code>	
<code><i class="fa fa-music custom"></i></code>	
<code><i class="fa fa-users custom"></i></code>	
<code><i class="fa fa-object-group custom"></i></code>	

<code><i class="fa fa-object-ungroup custom"></i></code>	
<code><i class="fa fa-paint-brush custom"></i></code>	
<code><i class="fa fa-paper-plane custom"></i></code>	
<code><i class="fa fa-paper-plane-o custom"></i></code>	
<code><i class="fa fa-paw custom"></i></code>	
<code><i class="fa fa-pencil custom"></i></code>	
<code><i class="fa fa-pencil-square custom"></i></code>	
<code><i class="fa fa-pencil-square-o custom"></i></code>	
<code><i class="fa fa-phone custom"></i></code>	
<code><i class="fa fa-phone custom"></i></code>	
<code><i class="fa fa-photo custom"></i></code>	
<code><i class="fa fa-picture-o custom"></i></code>	
<code><i class="fa fa-pie-chart custom"></i></code>	
<code><i class="fa fa-plane custom"></i></code>	
<code><i class="fa fa-volume-up custom"></i></code>	

<code><i class="fa fa-plus custom"></i></code>	
<code><i class="fa fa-plus-circle custom"></i></code>	
<code><i class="fa fa-plus-square custom"></i></code>	
<code><i class="fa fa-plus-square-o custom"></i></code>	
<code><i class="fa fa-power-off custom"></i></code>	
<code><i class="fa fa-print custom"></i></code>	
<code><i class="fa fa-puzzle-piece custom"></i></code>	
<code><i class="fa fa-qrcode custom"></i></code>	
<code><i class="fa fa-question custom"></i></code>	
<code><i class="fa fa-question-circle custom"></i></code>	
<code><i class="fa fa-quote-left custom"></i></code>	
<code><i class="fa fa-quote-right custom"></i></code>	
<code><i class="fa fa-random custom"></i></code>	
<code><i class="fa fa-recycle custom"></i></code>	
<code><i class="fa fa-refresh custom"></i></code>	

<code><i class="fa fa-registered custom"></i></code>	
<code><i class="fa fa-remove custom"></i></code>	
<code><i class="fa fa-reorder custom"></i></code>	
<code><i class="fa fa-reply custom"></i></code>	
<code><i class="fa fa-reply-all custom"></i></code>	
<code><i class="fa fa-retweet custom"></i></code>	
<code><i class="fa fa-road custom"></i></code>	
<code><i class="fa fa-anchor custom"></i></code>	
<code><i class="fa fa-rss custom"></i></code>	
<code><i class="fa fa-rss-square custom"></i></code>	
<code><i class="fa fa-search custom"></i></code>	
<code><i class="fa fa-search-minus custom"></i></code>	
<code><i class="fa fa-search-plus custom"></i></code>	
<code><i class="fa fa-send custom"></i></code>	
<code><i class="fa fa-send-o custom"></i></code>	

<code><i class="fa fa-server custom"></i></code>	
<code><i class="fa fa-share custom"></i></code>	
<code><i class="fa fa-share-alt custom"></i></code>	
<code><i class="fa fa-share-alt-square custom"></i></code>	
<code><i class="fa fa-share-alt-o custom"></i></code>	
<code><i class="fa fa-shield custom"></i></code>	
<code><i class="fa fa-ship custom"></i></code>	
<code><i class="fa fa-shopping-cart custom"></i></code>	
<code><i class="fa fa-sign-in custom"></i></code>	
<code><i class="fa fa-sign-out custom"></i></code>	
<code><i class="fa fa-signal custom"></i></code>	
<code><i class="fa fa-sitemap custom"></i></code>	
<code><i class="fa fa-sliders custom"></i></code>	
<code><i class="fa fa-smile-o custom"></i></code>	
<code><i class="fa fa-warning custom"></i></code>	

<code><i class="fa fa-sort custom"></i></code>	
<code><i class="fa fa-sort-alpha-asc custom"></i></code>	
<code><i class="fa fa-sort-alpha-desc custom"></i></code>	
<code><i class="fa fa-sort-asc custom"></i></code>	
<code><i class="fa fa-sort-desc custom"></i></code>	
<code><i class="fa fa-sort-down custom"></i></code>	
<code><i class="fa fa-sort-numeric-asc custom"></i></code>	
<code><i class="fa fa-sort-numeric-desc custom"></i></code>	
<code><i class="fa fa-sort-up custom"></i></code>	
<code><i class="fa fa-space-shuttle custom"></i></code>	
<code><i class="fa fa-spinner custom"></i></code>	
<code><i class="fa fa-spoon custom"></i></code>	
<code><i class="fa fa-square custom"></i></code>	
<code><i class="fa fa-square-o custom"></i></code>	
<code><i class="fa fa-star custom"></i></code>	

<code><i class="fa fa-star-half custom"></i></code>	
<code><i class="fa fa-star-half-empty custom"></i></code>	
<code><i class="fa fa-star-half-full custom"></i></code>	
<code><i class="fa fa-star-half-o custom"></i></code>	
<code><i class="fa fa-star-o custom"></i></code>	
<code><i class="fa fa-sticky-note custom"></i></code>	
<code><i class="fa fa-sticky-note-o custom"></i></code>	
<code><i class="fa fa-street-view custom"></i></code>	
<code><i class="fa fa-suitcase custom"></i></code>	
<code><i class="fa fa-sun-o custom"></i></code>	
<code><i class="fa fa-support custom"></i></code>	
<code><i class="fa fa-tablet custom"></i></code>	
<code><i class="fa fa-tachometer custom"></i></code>	
<code><i class="fa fa-tag custom"></i></code>	
<code><i class="fa fa-tags custom"></i></code>	

<code><i class="fa fa-tasks custom"></i></code>	
<code><i class="fa fa-taxi custom"></i></code>	
<code><i class="fa fa-television custom"></i></code>	
<code><i class="fa fa-terminal custom"></i></code>	
<code><i class="fa fa-thumb-tack custom"></i></code>	
<code><i class="fa fa-thumbs-down custom"></i></code>	
<code><i class="fa fa-ticket custom"></i></code>	
<code><i class="fa fa-times custom"></i></code>	
<code><i class="fa fa-times-circle custom"></i></code>	
<code><i class="fa fa-times-circle-o custom"></i></code>	
<code><i class="fa fa-tint custom"></i></code>	
<code><i class="fa fa-toggle-down custom"></i></code>	
<code><i class="fa fa-toggle-left custom"></i></code>	
<code><i class="fa fa-toggle-off custom"></i></code>	
<code><i class="fa fa-toggle-on custom"></i></code>	

<code><i class="fa fa-toggle-right custom"></i></code>	
<code><i class="fa fa-toggle-up custom"></i></code>	
<code><i class="fa fa-trademark custom"></i></code>	
<code><i class="fa fa-tras custom"></i></code>	
<code><i class="fa fa-trash-o custom"></i></code>	
<code><i class="fa fa-tree custom"></i></code>	
<code><i class="fa fa-trophy custom"></i></code>	
<code><i class="fa fa-truck custom"></i></code>	
<code><i class="fa fa-wheelchair custom"></i></code>	
<code><i class="fa fa-tv custom"></i></code>	
<code><i class="fa fa-umbrella custom"></i></code>	
<code><i class="fa fa-university custom"></i></code>	
<code><i class="fa fa-unlock custom"></i></code>	
<code><i class="fa fa-unlock-alt custom"></i></code>	
<code><i class="fa fa-unsorted custom"></i></code>	

<code><i class="fa fa-upload custom"></i></code>	
<code><i class="fa fa-user custom"></i></code>	
<code><i class="fa fa-user-plus custom"></i></code>	
<code><i class="fa fa-user-secret custom"></i></code>	
<code><i class="fa fa-user-times custom"></i></code>	

4. FONT AWESOME – HAND ICONS

This chapter explains the usage of Font Awesome Hand icons. Assume that **custom** is the CSS class name where we defined the size and color, as shown in the example given below.

```
<html>
  <head>
    <link rel="stylesheet" href="http://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.3.0/css/font-awesome.min.css">

    <style>
      i.custom {font-size: 2em; color: gray;}
    </style>

  </head>

  <body>
    <i class="fa fa-adjust custom"></i>
  </body>

</html>
```

The following table shows the usage and the results of Font Awesome Hand icons. Replace the < body > tag of the above program with the code given in the table to get the respective outputs:

Usage	Result
<i class="fa fa-hand-rock-o custom"></i>	
<i class="fa fa-hand-o-left custom"></i>	
<i class="fa fa-hand-paper-o custom"></i>	

<code><i class="fa fa-hand-rock-o custom"></i></code>	
<code><i class="fa fa-hand-stop-o custom"></i></code>	
<code><i class="fa fa-thumbs-o-up custom"></i></code>	
<code><i class="fa fa-hand-lizard-o custom"></i></code>	
<code><i class="fa fa-hand-o-right custom"></i></code>	
<code><i class="fa fa-hand-peace-o custom"></i></code>	
<code><i class="fa fa-hand-scissors-o custom"></i></code>	
<code><i class="fa fa-thumbs-down custom"></i></code>	
<code><i class="fa fa-thumbs-up custom"></i></code>	
<code><i class="fa fa-hand-o-up custom"></i></code>	
<code><i class="fa fa-hand-pointer-o custom"></i></code>	
<code><i class="fa fa-hand-spock-o custom"></i></code>	
<code><i class="fa fa-thumbs-o-down custom"></i></code>	

5. FONT AWESOME – TRANSPORTATION ICONS

This chapter explains the usage of Font Awesome Transportation icons. Assume that **custom** is the CSS class name where we defined the size and color, as shown in the example given below.

```
<html>
  <head>
    <link rel="stylesheet" href="http://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.3.0/css/font-awesome.min.css">

    <style>
      i.custom {font-size: 2em; color: gray;}
    </style>

  </head>

  <body>
    <i class="fa fa-adjust custom"></i>
  </body>

</html>
```

The following table shows the usage and the results of Font Awesome Transportation icons. Replace the < body > tag of the above program with the code given in the table to get the respective outputs:

Usage	Result
<i class="fa fa-ambulance custom"></i>	
<i class="fa fa-automobile custom"></i>	

<code><i class="fa fa-bicycle custom"></i></code>	
<code><i class="fa fa-bus custom"></i></code>	
<code><i class="fa fa-cab custom"></i></code>	
<code><i class="fa fa-car custom"></i></code>	
<code><i class="fa fa-fighter-jet custom"></i></code>	
<code><i class="fa fa-motorcycle custom"></i></code>	
<code><i class="fa fa-plane custom"></i></code>	
<code><i class="fa fa-rocket custom"></i></code>	
<code><i class="fa fa-ship custom"></i></code>	
<code><i class="fa fa-space-shuttle custom"></i></code>	
<code><i class="fa fa-subway custom"></i></code>	
<code><i class="fa fa-taxi custom"></i></code>	
<code><i class="fa fa-train custom"></i></code>	
<code><i class="fa fa-truck custom"></i></code>	
<code><i class="fa fa-wheelchair custom"></i></code>	

6. FONT AWESOME – GENDER ICONS

This chapter explains the usage of Font Awesome Transportation icons. Assume that **custom** is the CSS class name where we defined the size and color, as shown in the example given below.

```
<html>
  <head>
    <link rel="stylesheet" href="http://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.3.0/css/font-awesome.min.css">

    <style>
      i.custom {font-size: 2em; color: gray;}
    </style>

  </head>

  <body>
    <i class="fa fa-adjust custom"></i>
  </body>

</html>
```

The following table shows the usage and the results of Font Awesome Transportation icons. Replace the < body > tag of the above program with the code given in the table to get the respective outputs:

Usage	Result
<i class="fa fa-ambulance custom"></i>	
<i class="fa fa-automobile custom"></i>	

<code><i class="fa fa-bicycle custom"></i></code>	
<code><i class="fa fa-bus custom"></i></code>	
<code><i class="fa fa-cab custom"></i></code>	
<code><i class="fa fa-car custom"></i></code>	
<code><i class="fa fa-fighter-jet custom"></i></code>	
<code><i class="fa fa-motorcycle custom"></i></code>	
<code><i class="fa fa-plane custom"></i></code>	
<code><i class="fa fa-rocket custom"></i></code>	
<code><i class="fa fa-ship custom"></i></code>	
<code><i class="fa fa-space-shuttle custom"></i></code>	
<code><i class="fa fa-subway custom"></i></code>	
<code><i class="fa fa-taxi custom"></i></code>	
<code><i class="fa fa-train custom"></i></code>	
<code><i class="fa fa-truck custom"></i></code>	
<code><i class="fa fa-wheelchair custom"></i></code>	

7. FONT AWESOME – FILE TYPE ICONS

This chapter explains the usage of Font Awesome File Type icons. Assume that **custom** is the CSS class name where we defined the size and color, as shown in the example given below.

```
<html>

  <head>

    <link rel="stylesheet" href="http://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.3.0/css/font-awesome.min.css">

    <style>
      i.custom {font-size: 2em; color: gray;}
    </style>

  </head>

  <body>

    <i class="fa fa-adjust custom"></i>

  </body>

</html>
```

The following table shows the usage and the results of Font Awesome File Type icons. Replace the `< body >` tag of the above program with the code given in the table to get the respective outputs:

Usage	Result
<code><i class="fa fa-file custom"></i></code>	
<code><i class="fa fa-file-archive-o custom"></i></code>	

<code><i class="fa fa-file-audio-o custom"></i></code>	
<code><i class="fa fa-file-code-o custom"></i></code>	
<code><i class="fa fa-file-excel-o custom"></i></code>	
<code><i class="fa fa-file-image-o custom"></i></code>	
<code><i class="fa fa-file-movie-o custom"></i></code>	
<code><i class="fa fa-file-o custom"></i></code>	
<code><i class="fa fa-file-pdf-o custom"></i></code>	
<code><i class="fa fa-file-photo-o custom"></i></code>	
<code><i class="fa fa-file-picture-o custom"></i></code>	
<code><i class="fa fa-file-powerpoint-o custom"></i></code>	
<code><i class="fa fa-file-video-o custom"></i></code>	
<code><i class="fa fa-file-word-o custom"></i></code>	
<code><i class="fa fa-file-zip-o custom"></i></code>	
<code><i class="fa fa-file-sound-o custom"></i></code>	
<code><i class="fa fa-file-text custom"></i></code>	

<code><i class="fa fa-file-text-o custom"></i></code>	
---	--

8. FONT AWESOME – SPINNER ICONS

This chapter explains the usage of Font Awesome Spinner icons. Assume that **custom** is the CSS class name where we defined the size and color, as shown in the example given below.

```
<html>

  <head>

    <link rel="stylesheet" href="http://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.3.0/css/font-awesome.min.css">

    <style>
      i.custom {font-size: 2em; color: gray;}
    </style>

  </head>

  <body>
    <i class="fa fa-adjust custom"></i>
  </body>

</html>
```

The following table shows the usage and the results of Font Awesome Spinner icons. Replace the <body> tag of the above program with the code given in the table to get the respective outputs:

Usage	Result
<i class="fa fa-circle-o-notch custom"></i>	
<i class="fa fa-cog custom"></i>	

<code><i class="fa fa-gear custom"></i></code>	
<code><i class="fa fa-refresh custom"></i></code>	
<code><i class="fa fa-spinner custom"></i></code>	

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