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| **Question:** What are the advantages of Bootstrap? |
| **Answer:**  Bootstrap has following advantages.   * Easy initiation * Responsiveness * Highly customizable * Extremely user-centric * Top-notch support * Cross-browser compatibility * JavaScript plugins to your rescue * Far-reaching popularity * Ample documentation * Updates at the doorstep |
| **Question:** What is a Bootstrap Container? How does it work? |
| **Answer:**  In Bootstrap, container is used to set the content's margins dealing with the responsive behaviors of your layout. It contains the row elements and the row elements are the container of columns (known as grid system). The container class is used to create boxed content. |
| **Question:** What are the default Bootstrap text settings? |
| **Answer:**  **Bootstrap 3 Default Settings**:  Bootstrap's global default font-size is 14px and its line-height is 1.42857143. This is applied to the <body> element and all paragraphs. The default font-family is "Helvetica Neue", Helvetica, Arial, sans-serif. Also, <p> elements have a bottom margin of half their computed line-height (10px by default).  **Bootstrap 4 Default Settings**:  Bootstrap 4 uses a default font-size of 16px, and its line-height is 1.5. The default font-family is "Helvetica Neue", Helvetica, Arial, sans-serif. In addition, all <p> elements have margin-top: 0 and margin-bottom: 1rem (16px by default).  **Bootstrap 5 Default Settings**:  Bootstrap 5 uses a default font-size of 1rem (16px by default), and its line-height is 1.5. In addition, all <p> elements have margin-top: 0 and margin-bottom: 1rem (16px by default). |
| **Question:** What do you know about the Bootstrap Grid System? |
| **Answer:**  Bootstrap's grid system uses a series of containers, rows, and columns to layout and align content. It's built with flexbox and is fully responsive.  Bootstrap Grid System allows up to 12 columns across the page. You can use each of them individually or merge them together for wider columns.  Bootstrap 5 Grid System Mix and Match provides a way to combine the column with various available classes for each tier, in order to simply stack the columns in some grid tiers according to need, i.e., any number of columns in each row tier can be added to get the style of layout we want which at times can be something which is a homogeneous distribution of columns. It is generally utilized where the number of columns in each row is mixed and matched to achieve a certain type of layout |
| **Question:** What is the difference between Bootstrap 4 and Bootstrap 5? |
| **Answer:**  Differences between Bootstrap 4 and Bootstrap 5 are as follows.   | **BASIS OF** | **BOOTSTRAP 4** | **BOOTSTRAP 5** | | --- | --- | --- | | **Grid System** | It has 5 tier (xs, sm, md, lg, xl). | It has 6 tier (xs, sm, md, lg, xl, xxl). | | **Color** | It has limited colors. | Extra colors added with the looks, A card improved color palette. There are various shades available to choose. | | **JQuery** | It has jQuery and all related plugins. | JQuery is removed and switched to vanilla JS with some working plugins | | **Internet Explorer** | Bootstrap 4 supports both IE 10 and 11. | Bootstrap 5 doesn’t support IE 10 and 11. | | **Form elements** | Radio buttons, checkboxes have different look in different OS and browsers. The form uses whatever default browsers provide. | The look of form elements will not change, on different OS or browser. The forms can be customized and form controls can be added, they would not depend on browser. | | **Utilities API** | We cannot modify utilities in bootstrap 4 | Bootstrap 5 gave freedom to modify and also create our own utility | | **Gutter** | We use .glutter with font size in px | We use .g\* with font size in rem | | **Vertical Classes** | Columns can be positioned relative | Columns cannot be positioned relative | | **Bootstrap Icons** | Bootstrap 4 doesn’t have its own SVG icons, we have to use font-awesome for icons. | Bootstrap 5 have its own SVG icons | | **Jumbotron** | It supports. | It doesn’t support jumbotron. | | **Card deck** | The card deck is used to create a set of cards with equal width and height. | Card deck class in removed in bootstrap | | **Navbar** | We have inline-block property and we will get white dropdown as default for dropdown-menu-dark class. | Inline-block property is removed and we will get black dropdown as default for dropdown-menu-dark class. | | **Static Site Generator** | Bootstrap 4 uses Jekyll software. | Bootstrap 5 uses Hugo software as it is fast static site generator. | | **flexbox grid** | This makes easier to implement vertical designs, and the columns and rows can easily be implemented. The classes’ justify-center-content can directly be used to align according to the requirement. | Advanced grid system is made available, also columns don’t have relative positions. | | **RTL Support** | It does not enable RTL (Right to Left) switching. | It enables RTL (Right to Left) switching. | | **Offcanvas Component** | It does not support Offcanvas Component. | It supports Offcanvas Component (that is it is available now). | |
| **Question:** What is a Button Group? |
| **Answer:**  “Button Groups” in Bootstrap is a class of name “btn-group” which is used to create a series of buttons in groups (without spaces) vertically or horizontally. |
| **Question:** What is the class for a basic Button Group? |
| **Answer:**  “Button Groups” in Bootstrap is a class of name “btn-group” which is used to create a series of buttons in groups (without spaces) vertically or horizontally. |
| **Question:** How can you use Bootstrap to make thumbnails? |
| **Answer:**  **.img-thumbnail**: This class is used to create the thumbnail image. This class adds 1px rounded border to the image.  **Syntax**:  <img src="..." class="img-thumbnail" alt="...">  <!DOCTYPE html>  <html lang="en">  <head>      <meta charset="UTF-8">      <meta name="viewport" content="width=device-width, initial-scale=1.0">      <title>Bootstrap 5 Images Thumbnails</title>      <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"          rel="stylesheet"          integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC"          crossorigin="anonymous">      <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"          integrity="sha384-MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/tWtIaxVXM"          crossorigin="anonymous">      </script>  </head>  <body>      <div class="container text-center">          <h1 class="text-success">              Bootstrap 5 Images Thumbnails Demo          </h1>            <!-- <h2>Bootstrap 5 Images Thumbnails</h2> -->            <img src=  "https://media.geeksforgeeks.org/wp-content/cdn-uploads/20190710102234/download3.png"              class="img-thumbnail" alt="GFG">      </div>  </body>  </html> |
| **Question:** In Bootstrap 4, what is flexbox? |
| **Answer:**  The flex classes are used to control the layout of flexbox components.  <!DOCTYPE html>  <html lang="en">  <head>      <meta charset="UTF-8">      <meta name="viewport" content="width=device-width, initial-scale=1.0">      <title>Boot strap 4 flex box</title>      <link rel="stylesheet" href=  "https://maxcdn.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">      <script src=  "https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js">      </script>      <script src=  "https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.js">      </script>      <script src=  "https://maxcdn.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js">      </script>  </head>  <body>      <div class="container mt-3">          <h1 style="color:green; text-align:center;">              Boot strap 4 flex box          </h1>          <div class="d-flex bg-success p-3 text-white">              <div class="p-2 bg-primary">Flexbox 1</div>              <div class="p-2 bg-secondary ">Flexbox 2</div>              <div class="p-2 bg-info">Flexbox 3</div>          </div>      </div>  </body>  </html> |
| **Question:** How can one create an alert in Bootstrap? |
| **Answer:**  Alerts are available for any length of text, as well as an optional close button. For proper styling, use one of the eight **required** contextual classes (e.g., .alert-success).  <!DOCTYPE html>  <html lang="en">  <head>      <meta charset="UTF-8">      <meta name="viewport" content="width=device-width, initial-scale=1.0">      <title>Alerts Examples</title>      <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">      <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js"></script>  </head>  <body>      <div class="alert alert-primary" role="alert">          A simple primary alert—check it out!        </div>        <div class="alert alert-secondary" role="alert">          A simple secondary alert—check it out!        </div>        <div class="alert alert-success" role="alert">          A simple success alert—check it out!        </div>        <div class="alert alert-danger" role="alert">          A simple danger alert—check it out!        </div>        <div class="alert alert-warning" role="alert">          A simple warning alert—check it out!        </div>        <div class="alert alert-info" role="alert">          A simple info alert—check it out!        </div>        <div class="alert alert-light" role="alert">          A simple light alert—check it out!        </div>        <div class="alert alert-dark" role="alert">          A simple dark alert—check it out!        </div>  </body>  </html> |
| **Question:** What is a bootstrap card? How would you create one? |
| **Answer:**  A card is a flexible and extensible content container. It includes options for headers and footers, a wide variety of content, contextual background colors, and powerful display options. If you’re familiar with Bootstrap 3, cards replace our old panels, wells, and thumbnails. Similar functionality to those components is available as modifier classes for cards.  Cards are built with as little markup and styles as possible, but still manage to deliver a ton of control and customization. Built with flexbox, they offer easy alignment and mix well with other Bootstrap components. They have no margin by default, so use spacing utilities as needed.  <!DOCTYPE html>  <html lang="en">  <head>      <meta charset="UTF-8">      <meta name="viewport" content="width=device-width, initial-scale=1.0">      <title>Card Example</title>      <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">      <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js"></script>  </head>  <body>      <div class="card" style="width: 18rem;">          <img src="CardImage.png" class="card-img-top" alt="...">          <div class="card-body">            <h5 class="card-title">Card title</h5>            <p class="card-text">Some quick example text to build on the card title and make up the bulk of the card's content.</p>            <a href="#" class="btn btn-primary">Go somewhere</a>          </div>        </div>  </body>  </html> |