EXPERIMENT NO.9

AIM: - Developing a website using Bootstrap.

SOFTWARE USED: - VS Code.

THEORY: -

Bootstrap is the most popular HTML, CSS and JavaScript framework for developing a responsive and mobile friendly website. It is free to download, use and is a front-end framework used for easier and faster web development. It includes HTML and CSS based design templates for typography, forms, buttons, tables, navigation, modals, image carousels and many others. Also, it facilitates us to create responsive designs.

In Bootstrap, the container class is used to create boxed content. There are two container classes in Bootstrap: container class that provides a responsive fixed width container and container-fluid class that provides a full width container, spanning the entire width of the viewport.

The Bootstrap Grid System allows up to 12 columns across the page. We can use all 12 columns individually or can group the columns together to create wider columns. There are four classes in Bootstrap Grid System: xs, sm, md, lg.

The basic Bootstrap table has a light padding and only horizontal dividers.

- The. table class is used to add basic styling to a table
- The. table-striped class is used to add zebra-stripes to a table
- The. table-bordered class is used to add borders on all sides of the table and cells
- The. table-hover class is used to enable a hover state on table rows.
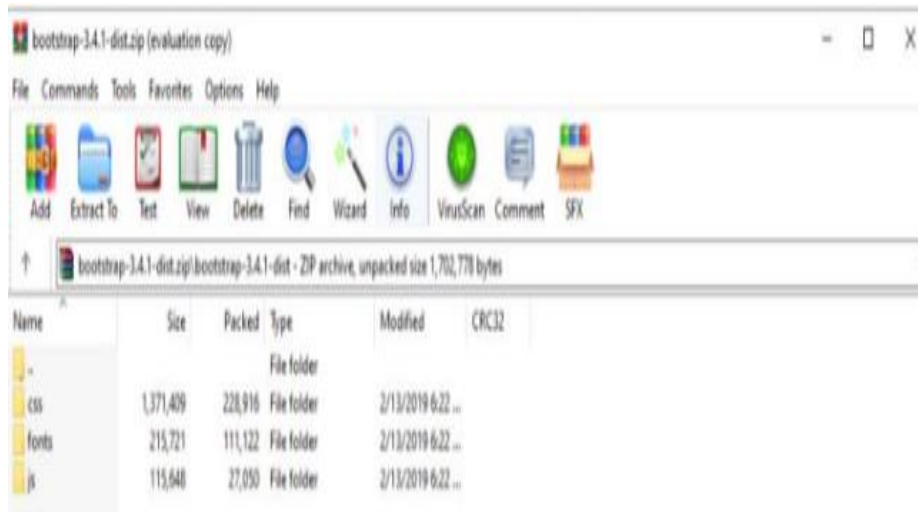
Bootstrap supports for images. There are three classes in Bootstrap that can be used to apply some simple style to the images.

- .img-rounded - It adds border-radius:6px to give the image rounded corners.
- .img-circle - It makes the entire image round by adding border-radius:500px.
- .img-thumbnail - It adds a bit of padding and a gray border
- .img-rounded - It adds border-radius:6px to give the image rounded corners.
- .img-circle - It makes the entire image round by adding border-radius:500px.
- .img-thumbnail - It adds a bit of padding and a gray border.
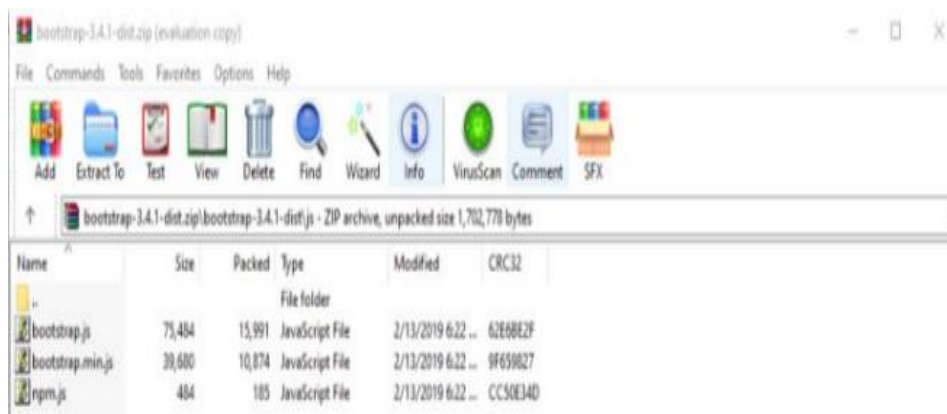
Typography provides some utilities to add additional styles to texts. These utilities are Text alignment, Text transform, Font weight and italics.

- The Bootstrap will style the HTML headings (<h1> to <h6>) by default.
- In Bootstrap the HTML <small> element is used to create a lighter, secondary text in any heading
- Bootstrap uses the HTML <mark> element to highlight the text.

- Bootstrap uses the HTML <dl> element for description lists.
- Bootstrap uses the HTML <code> element for inline code.
- Bootstrap uses the HTML <kbd> element to define keyboard input.
- Bootstrap uses the HTML <pre> element to define preformatted text.
- Bootstrap also has some contextual classes that can be used to provide "meaning through colors". The classes for text colors are: text-muted, .text-primary, .text-success, .text-info, .text-warning, and .text-danger.

jQuery is a small, lightweight and fast JavaScript library. It is cross-platform and supports different types of browsers. It is designed to simplify the client-side scripting of HTML. There are several ways to start using jQuery on website, download the jQuery library from jQuery.com or include jQuery from a CDN, like Google. In this experiment we have downloaded the jQuery library (version 3.2.1).

Code: -

```
1   <html>
2     <head>
3       <title> Develope a web page using bootstrap</title>
4       <meta name="viewport" cntent="width=device-width, initial-scale=1.0">
5       <link rel="stylesheet" href="style.css">
6       <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.3.1/dist/css/bootstrap.min.css">
7       <script src="https://code.jquery.com/jquery-3.3.1.slim.min.js" ></script>
8
9   <script src="https://cdn.jsdelivr.net/npm/bootstrap@4.3.1/dist/js/bootstrap.min.js"></script>
10    </head>
11    <body>
12      <div class="container">
13        <nav class="navbar navbar-expand-lg">
14          <a class="navbar-brand" href="#">My project</a>
15          <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-expanded="false" aria-label="Toggle navigation">
16            <span class="navbar-toggler-icon"></span>
17          </button>
18
19          <div class="collapse navbar-collapse" id="navbarSupportedContent">
20            <ul class="navbar-nav ml-auto text-right">
21              <li class="nav-item ">
22                <a class="nav-link" href="#">Home </a>
23              </li>
24              <li class="nav-item">
25                <a class="nav-link" href="#">portfolio</a>
26              </li>
27              <li class="nav-item">
28                <a class="nav-link" href="#">services</a>
29              </li>
30              <li class="nav-item">
31                <a class="nav-link" href="#">Blog</a>
32              </li>
33            </ul>
34          </div>
35        </nav>
36      </div>
37      <div class="container">
38      <div class="wrapper">
39        <div class="row">
40          <div class="col-md-6">
41            <div class="feature box">
42              <h1> Create your own website</h1>
43              <p>Suscribe Educational wings youtube channel to watch more vedio. Press the bell icon to get immediate notification of latest vedios.</p>
44              <a href="#" class="btn-one">Read more</a>
45              <a href="#" class="btn-two">contact us </a>
46            </div>
47          </div>
48
49          <div class="col-md-6">
50            <img src="img.jpg.jpg" alt="" class="feature-img">
51          </div>
52        </div>
53      </div>
54      </div>
55    <img src="logo.png" class="wave-img">
56
57
58
59  <footer><h1 align="center">Vijay Yadav</h1></footer>
60    </body>
61  </html>
```

Output: -

My project   Home portfolio services Blog

Create your own website

Suscribe Educational wings youtube channel to watch more vedio. Press the
bell icon to get immediate notification of latest vedios.

Read more contact us

Vijay Yadav