S. B. JAIN INSTITUTE OF TECHNOLOGY, MANAGEMENT & RESEARCH, NAGPUR.

Practical No. 9

Aim: Apply the knowledge of Bootstrap CSS v5.1.3 & design a webpage by using following components: NavBar, Carousel, Accordian and Footer.

Name of Student:

Roll No.:

Semester/Year:

Academic Session:

Date of Performance:

Date of Submission:

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AIM: Apply the knowledge of Bootstrap CSS v5.1.3 & design a webpage by using following components: NavBar, Carousel, Accordian and Footer.

OBJECTIVE/EXPECTED LEARNING OUTCOME:

The objectives and expected learning outcome of this practical are:

• To apply the knowledge of Bootstrap

• To be able to create a Nav Bar, Buttons, Carousel, Accordian and Footer.

HARDWARE AND SOFTWARE REQUIREMENT:

Hardware Requirement

• 1.6 GHz or faster processor

• .RAM: 1GB

• Hard Disk Drive: > 80 GB

Software Requirement

• Operating System – Windows 2007,2010.

• Editor – Visual Studio Code /SublimeText.

THEORY:

What is Bootstrap?

Bootstrap is a front-end framework used to create modern websites and web apps. It's open-source and free to use. Bootstrap also supports JavaScript extensions. It is the most popular HTML, CSS, and JavaScript framework for developing responsive, mobile-first websites. Bootstrap is completely free to download and use.

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Include Bootstrap's CSS and JS.

To use Bootstrap, add the following line inside the <head> and <body>section of your Chosen editor's page:

1. Place the <link> tag in the &<head>for our CSS.

2. Place the <script>tag for our JavaScript bundle before the closing </body>after head

section.

CDN links

Description URL

CSS	https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/css/bootstrap.min.css
JS	https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/js/bootstrap.bundle. min.js

CODE:

```html
<html>

<head>

  <title>Prac9 Bootstrap</title>

  <!-- Bootstrap 5 CSS -->
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">
</head>
<body>

  <!-- Navbar -->
  <nav class="navbar navbar-expand-lg navbar-dark bg-dark">
    <div class="container-fluid">
      <a class="navbar-brand" href="#">TEMPLE</a>
      <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNav"
        aria-controls="navbarNav" aria-expanded="false" aria-label="Toggle navigation">
        <span class="navbar-toggler-icon"></span>
      </button>
      <div class="collapse navbar-collapse" id="navbarNav">
        <ul class="navbar-nav ms-auto">
```

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```html
        <li class="nav-item">
          <a class="nav-link active" href="#">Home</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="#">About Temple</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="#">Visit us</a>
        </li>
      </ul>
    </div>
  </div>
</nav>
<!-- Carousel -->
  <div id="mainCarousel" class="carousel slide" data-bs-ride="carousel">
    <div class="carousel-indicators">
      <button type="button" data-bs-target="#mainCarousel" data-bs-slide-to="0" class="active" aria-current="true"></button>
      <button type="button" data-bs-target="#mainCarousel" data-bs-slide-to="1"></button>
      <button type="button" data-bs-target="#mainCarousel" data-bs-slide-to="2"></button>
    </div>
<div class="carousel-inner">
      <div class="carousel-item active">
        <img src="https://static.wixstatic.com/media/055605_65e20a7fcbc54e2e8720adfc2544c35e~mv2.jpg/v1/fill/w_1800,h_1082,al_c,q_85/taj_new_contant_edited.jpg">
        <div class="carousel-caption d-none d-md-block">
          <h5>TAJ MAHAL(Agra)</h5>
          <p>The Taj MAHAL is a symbol of eternal love, built by Shah Jahan in memory of his wife Mumtaz Mahal</p>
        </div>
      </div>
      <div class="carousel-item">
        <img src="https://upload.wikimedia.org/wikipedia/commons/thumb/8/81/India_Gate%2C_New_Delhi_at_Night.jpg/2560px-India_Gate%2C_New_Delhi_at_Night.jpg">
        <div class="carousel-caption d-none d-md-block">
          <h5>INDIA GATE(Mumbai)</h5>
          <p>India Gate is a war memorial in Delhi built to honor soldiers who died in World War . </p>
        </div>
      </div>
      <div class="carousel-item">
        <img src="https://organiser.org/wp-content/uploads/2024/05/3-ayodhya-ram-mandir.jpg">
        <div class="carousel-caption d-none d-md-block">
          <h5>RAM MANDIR(Ayodhya)</h5>
    <p>Ram mandir is a Hindu temple in Ayodhya dedicated to Lord Ram, built at his believed birthplace.</p>
```
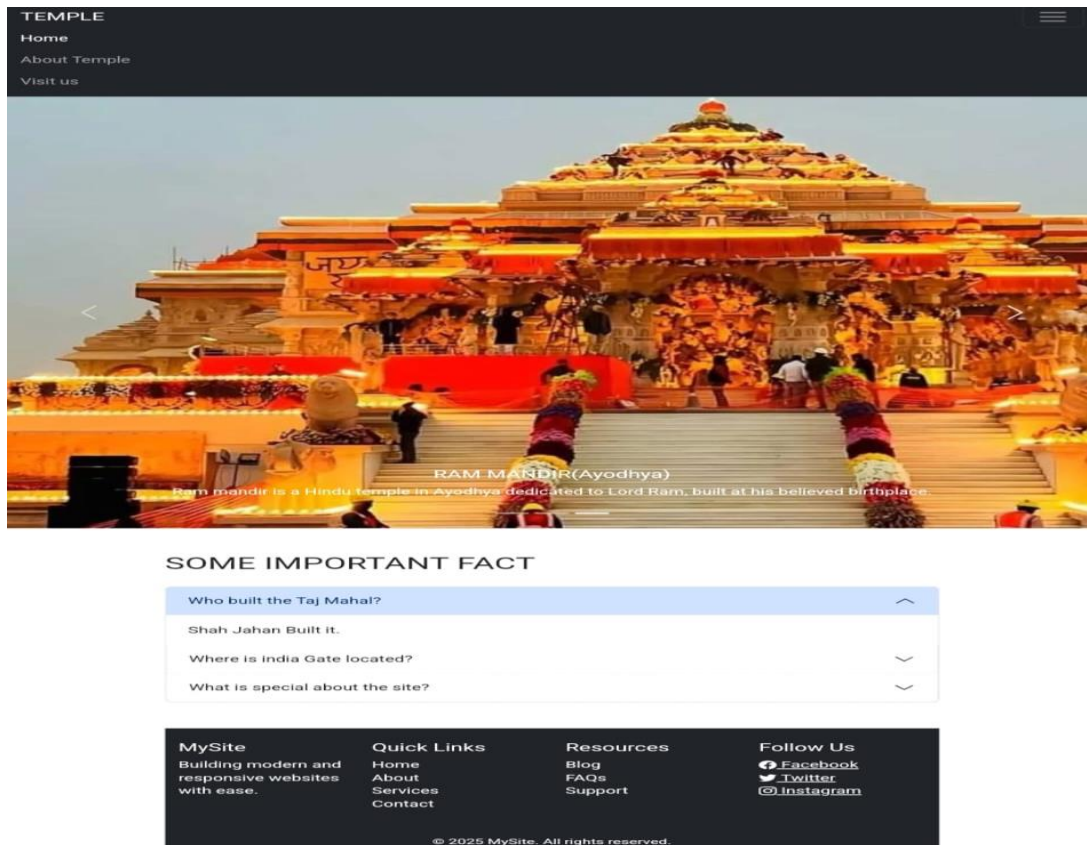
```html
        </div>
      </div>
    </div>
  <button class="carousel-control-prev" type="button" data-bs-target="#mainCarousel" data-bs-slide="prev">
      <span class="carousel-control-prev-icon" aria-hidden="true"></span>
      <span class="visually-hidden">Previous</span>
    </button>
    <button class="carousel-control-next" type="button" data-bs-target="#mainCarousel" data-bs-slide="next">
      <span class="carousel-control-next-icon" aria-hidden="true"></span>
      <span class="visually-hidden">Next</span>
    </button>
  </div>
  <!-- Bootstrap 5 JS -->
  <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js"></script>
<div class="container my-5">
   <h2 class="mb-4">SOME IMPORTANT FACT</h2>
  <div class="accordion" id="accordionExample">
  <!-- Item 1 -->
      <div class="accordion-item">
        <h2 class="accordion-header" id="headingOne">
          <button class="accordion-button" type="button" data-bs-toggle="collapse" data-bs-
target="#collapseOne"
            aria-expanded="true" aria-controls="collapseOne">
            Who built the Taj Mahal?
          </button>
        </h2>
        <div id="collapseOne" class="accordion-collapse collapse show" aria-labelledby="headingOne"
          data-bs-parent="#accordionExample">
          <div class="accordion-body">
            Shah Jahan Built it.
        </div>
      </div>
  <!-- Item 2 -->
      <div class="accordion-item">
        <h2 class="accordion-header" id="headingTwo">
          <button class="accordion-button collapsed" type="button" data-bs-toggle="collapse" data-bs-
target="#collapseTwo"
            aria-expanded="false" aria-controls="collapseTwo">
             Where is india Gate located?
          </button>
        </h2>
        <div id="collapseTwo" class="accordion-collapse collapse" aria-labelledby="headingTwo"
          data-bs-parent="#accordionExample">
          <div class="accordion-body">
            Delhi,the heart of the India,stands as a city where history meets modernity, reflecting the
spirit of resilience, culture,and unity.
```
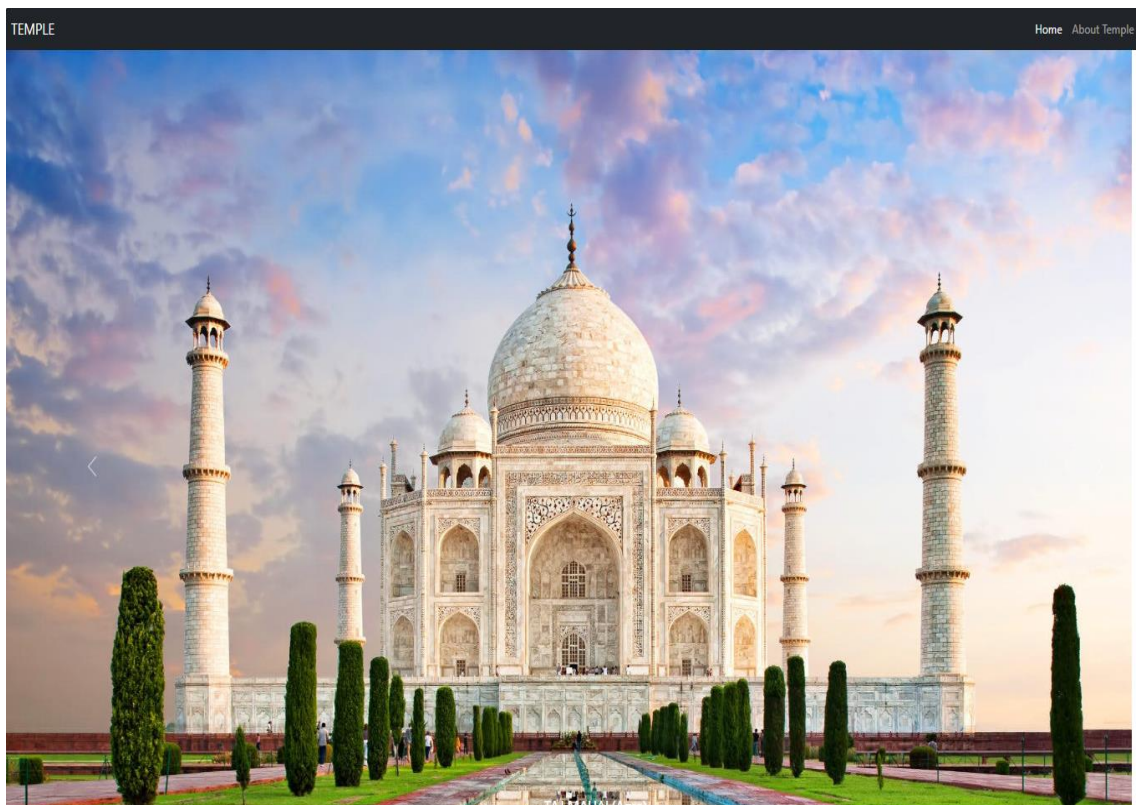
```
   </div>
 </div>
 </div>
 <!-- Item 3 -->
     <div class="accordion-item">
       <h2 class="accordion-header" id="headingThree">
         <button class="accordion-button collapsed" type="button" data-bs-toggle="collapse" data-bs-
target="#collapseThree"
            aria-expanded="false" aria-controls="collapseThree">
            What is special about the site?
         </button>
       </h2>
       <div id="collapseThree" class="accordion-collapse collapse" aria-labelledby="headingThree"
          data-bs-parent="#accordionExample">
         <div class="accordion-body">
            It is believed to be Ram's birthplace.
         </div>
       </div>
     </div>
 </div>
   </div>
   <!-- Your main content goes here -->
   <link href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.10.5/font/bootstrap-icons.css"
rel="stylesheet">
   <!-- Footer -->
   <footer class="bg-dark text-white pt-4 pb-2 mt-5">
     <div class="container text-center text-md-start">
       <div class="row">
   <!-- Column 1 -->
         <div class="col-md-3 mb-3">
           <h5>MySite</h5>
           <p>Building modern and responsive websites with ease.</p>
         </div>
 <!-- Column 2 -->
         <div class="col-md-3 mb-3">
           <h5>Quick Links</h5>
           <ul class="list-unstyled">
             <li><a href="#" class="text-white text-decoration-none">Home</a></li>
             <li><a href="#" class="text-white text-decoration-none">About</a></li>
             <li><a href="#" class="text-white text-decoration-none">Services</a></li>
             <li><a href="#" class="text-white text-decoration-none">Contact</a></li>
           </ul>
         </div>
 <!-- Column 3 -->
         <div class="col-md-3 mb-3">
           <h5>Resources</h5>
```

```html
<ul class="list-unstyled">
        <li><a href="#" class="text-white text-decoration-none">Blog</a></li>
        <li><a href="#" class="text-white text-decoration-none">FAQs</a></li>
        <li><a href="#" class="text-white text-decoration-none">Support</a></li>
    </ul>
    </div>
<!-- Column 4 -->
    <div class="col-md-3 mb-3">
      <h5>Follow Us</h5>
      <a href="#" class="text-white me-2"><i class="bi bi-facebook"></i> Facebook</a><br>
      <a href="#" class="text-white me-2"><i class="bi bi-twitter"></i> Twitter</a><br>
      <a href="#" class="text-white"><i class="bi bi-instagram"></i> Instagram</a>
    </div>
</div>
<div class="text-center mt-3">
        <small>&copy; 2025 MySite. All rights reserved.</small>
    </div>
    </div>
  </footer>
</body>
</html>
```

OUTPUT/SCREENSHOTS:

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CONCLUSION: We have understand and apply the knowledge of Bootstrap CSS v5.1.3 & design a webpage by using following components: NavBar, Carousel, Accordian and Footer.

DISCUSSION QUESTIONS:

- Explain Bootstrap?

- What is meant by Responsive Website?

- What is Open Source?

- Difference between CSS and Bootstrap?

REFERENCES:

- https://getbootstrap.coms

- https://www.w3schools.com/bootstrap5/

- https://getbootstrap.com/docs/5.2/components/navbar/

- https://getbootstrap.com/docs/5.2/components/carousel/