

Web Application Development Lab

Assignment – 3 (Bootstrap – 5)

1. Use HTML and Bootstrap 5 to perform the following task –

- a. Write “Bootstrap: A CSS framework” in any heading tag. Change the font size, text color, background color and align the text to the center using Bootstrap classes.
- b. Write a paragraph about Bootstrap. Combine bootstrap classes and custom CSS to justify the text, increase the font size, change the text color, and change the line height.
- c. Create a blue colored button for “Read More” using bootstrap classes. Align the button to the right of the page.
- d. Visit this page - [https://en.wikipedia.org/wiki/Bootstrap_\(frontend_framework\)](https://en.wikipedia.org/wiki/Bootstrap_(frontend_framework)). Create a table with information like – bootstrap version, release date, and major features (use an unordered list). Make the table width 50% and center align the table. Style the table using Bootstrap.
- e. Design a section with 3 blog cards with blog images, text, and a read more button. Use a bootstrap grid system to make the design mobile responsive.
- f. Design a signup form with the fields – name, gender, DOB, address mobile, email, and password. Style the form using Bootstrap 5. Then Centre align the form using the bootstrap card and grid system.

HTML Code:

```
<!-- Name: Sunil Kumar Sahoo -->
<!-- Sic No: 23MMCI38 -->
<!-- Roll No: 16 (A2) -->
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Question - 1</title>
  <link rel="stylesheet" href="/bootstrap-5.3.3-dist/css/bootstrap.min.css">
</head>
<body>
  <!-- a -->
  <h1 class="fs-2 text-primary bg-warning text-center">Bootstrap: A CSS Framework.</h1>
  <br>
  <!-- b -->
  <p style="text-align: justify;" class="fs-3 text-info lh-sm">Bootstrap is an HTML, CSS and JS
    library that focuses
      on simplifying the development of informative web pages (as opposed to web applications).
    The primary purpose of
```

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Sic No: 23MMCI38

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adding it to a web project is to apply Bootstrap's choices of color, size, font and layout to that project. As

such, the primary factor is whether the developers in charge find those choices to their liking. Once added to a

project, Bootstrap provides basic style definitions for all HTML elements.</p>

```
<!-- c -->
<div class="text-end">
  <button type="button" class="btn btn-primary ">Read More</button>
</div>
<!-- d -->
<table class="table table-bordered border-primary w-50 table-striped m-auto">
  <thead>
    <tr>
      <th class="text-center align-middle">Bootstrap Version</th>
      <th class="text-center">Release Date</th>
      <th class="text-center align-middle">Major features</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td>Bootstrap 2</td>
      <td>31 Jan 2012</td>
      <td>
        <ul>
          <li>Responsive web design</li>
        </ul>
      </td>
    </tr>
    <tr>
      <td>Bootstrap 3</td>
      <td>19 Aug 2013</td>
      <td>
        <ul>
          <li>Flat design</li>
          <li>Mobile first approach</li>
          <li>Support Explorer 7 and Firefox 3.6</li>
        </ul>
      </td>
    </tr>
    <tr>
      <td>Bootstrap 4</td>
      <td>29 Oct 2014</td>
      <td>
        <ul>
          <li>Replacing Less with Sass</li>
          <li>CSS flexible box</li>
          <li>Dropping support for IE8, IE9, and iOS 6</li>
        </ul>
      </td>
    </tr>
  </tbody>
</table>
```

```

</tr>
<tr>
  <td>Bootstrap 5</td>
  <td>05 May 2021</td>
  <td>
    <ul>
      <li>Enhanced grid system</li>
      <li>Removing dependence on jQuery in favor of vanilla JavaScript</li>
    </ul>
  </td>
</tr>
</tbody>
</table>
<!-- e -->
<div class="row my-5 g-5">
  <div class="col-md-6 col-lg-4 d-flex justify-content-center">
    <div class="card" style="width: 18rem;">
      
      <div class="card-body">
        <h5 class="card-title">Tibbat</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">Read more</a>
      </div>
    </div>
  </div>
  <div class="col-md-6 col-lg-4 d-flex justify-content-center">
    <div class="card" style="width: 18rem;">
      
      <div class="card-body">
        <h5 class="card-title">Japan</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">Read more</a>
      </div>
    </div>
  </div>
  <div class="col-md-6 col-lg-4 d-flex justify-content-center">
    <div class="card" style="width: 18rem;">
      
      <div class="card-body">
        <h5 class="card-title">China</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">Read more</a>
      </div>
    </div>
  </div>

```

```

        </div>
    </div>
</div>
<!-- f -->
<div class="d-flex justify-content-center">
    <form class="w-50 mb-3 px-4 pb-3 border border-primary rounded-1" action=""
method="post">
        <legend class="fs-3 text-center pt-2">Sign Up</legend>
        <div class="mb-3">
            <label for="Username" class="form-label">Name</label>
            <input type="text" class="form-control" id="Username">
        </div>
        <div class="mb-3">
            <label for="gender" class="form-label">Gender</label><br>
            <input type="radio" class="form-radio-input ms-3" name="gender" id="male">
            <label for="male">Male</label>
            <input type="radio" class="form-radio-input ms-3" name="gender" id="female">
            <label for="female">Female</label>
            <input type="radio" class="form-radio-input ms-3" name="gender" id="others">
            <label for="others">Others</label>
        </div>
        <div class="mb-3">
            <label for="dob" class="form-label">DOB</label>
            <input type="text" class="form-control" id="dob">
        </div>
        <div class="mb-3">
            <label for="address" class="form-label">Address</label>
            <textarea class="form-control" id="address" rows="3"></textarea>
        </div>
        <div class="mb-3">
            <label for="mobile" class="form-label">Mobile</label>
            <input type="text" class="form-control" id="mobile">
        </div>
        <div class="mb-3">
            <label for="email" class="form-label">Email</label>
            <input type="text" class="form-control" id="email">
        </div>
        <div class="mb-3">
            <label for="password" class="form-label">Password</label>
            <input type="password" class="form-control" id="password">
        </div>
        <div class="text-end">
            <button type="button" class="btn btn-primary">Clear</button>
            <button type="submit" class="btn btn-primary">Submit</button>
        </div>
    </form>
</div>
</div>
<script src="bootstrap.bundle.min.js"></script>

```

```

</body>
</html>
<script src="./bootstrap-5.3.3-dist/js/bootstrap.bundle.js"></script>
</body>
</html>

```

OUTPUT:

Bootstrap: A CSS Framework.

Bootstrap is an HTML, CSS and JS library that focuses on simplifying the development of informative web pages (as opposed to web applications). The primary purpose of adding it to a web project is to apply Bootstrap's choices of color, size, font and layout to that project. As such, the primary factor is whether the developers in charge find those choices to their liking. Once added to a project, Bootstrap provides basic style definitions for all HTML elements.

[Read More](#)

Bootstrap Version	Release Date	Major features
Bootstrap 2	31 Jan 2012	<ul style="list-style-type: none"> Responsive web design
Bootstrap 3	19 Aug 2013	<ul style="list-style-type: none"> Flat design Mobile first approach Support Explorer 7 and Firefox 3.6
Bootstrap 4	29 Oct 2014	<ul style="list-style-type: none"> Replacing Less with Sass CSS flexible box Dropping support for IE8, IE9, and iOS 6
Bootstrap 5	05 May 2021	<ul style="list-style-type: none"> Enhanced grid system Removing dependence on jQuery in favor of vanilla JavaScript



Tibbat

Some quick example text to build on the card title and make up the bulk of the card's content.

[Read more](#)


Japan

Some quick example text to build on the card title and make up the bulk of the card's content.

[Read more](#)


China

Some quick example text to build on the card title and make up the bulk of the card's content.

[Read more](#)

Sign Up

Name

Gender

☐ Male
 ☐ Female
 ☐ Others

DOB

Address

Mobile

Email

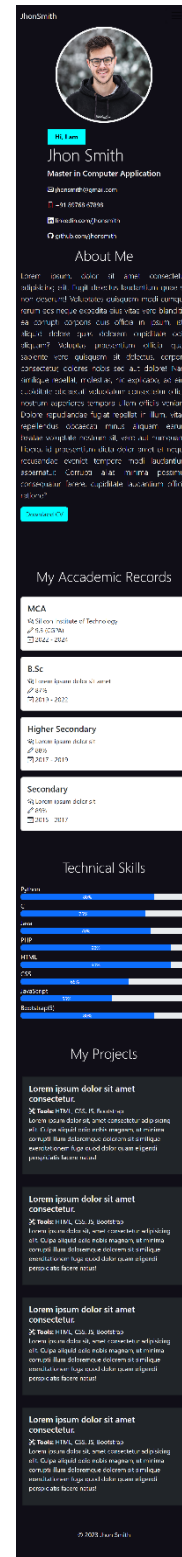
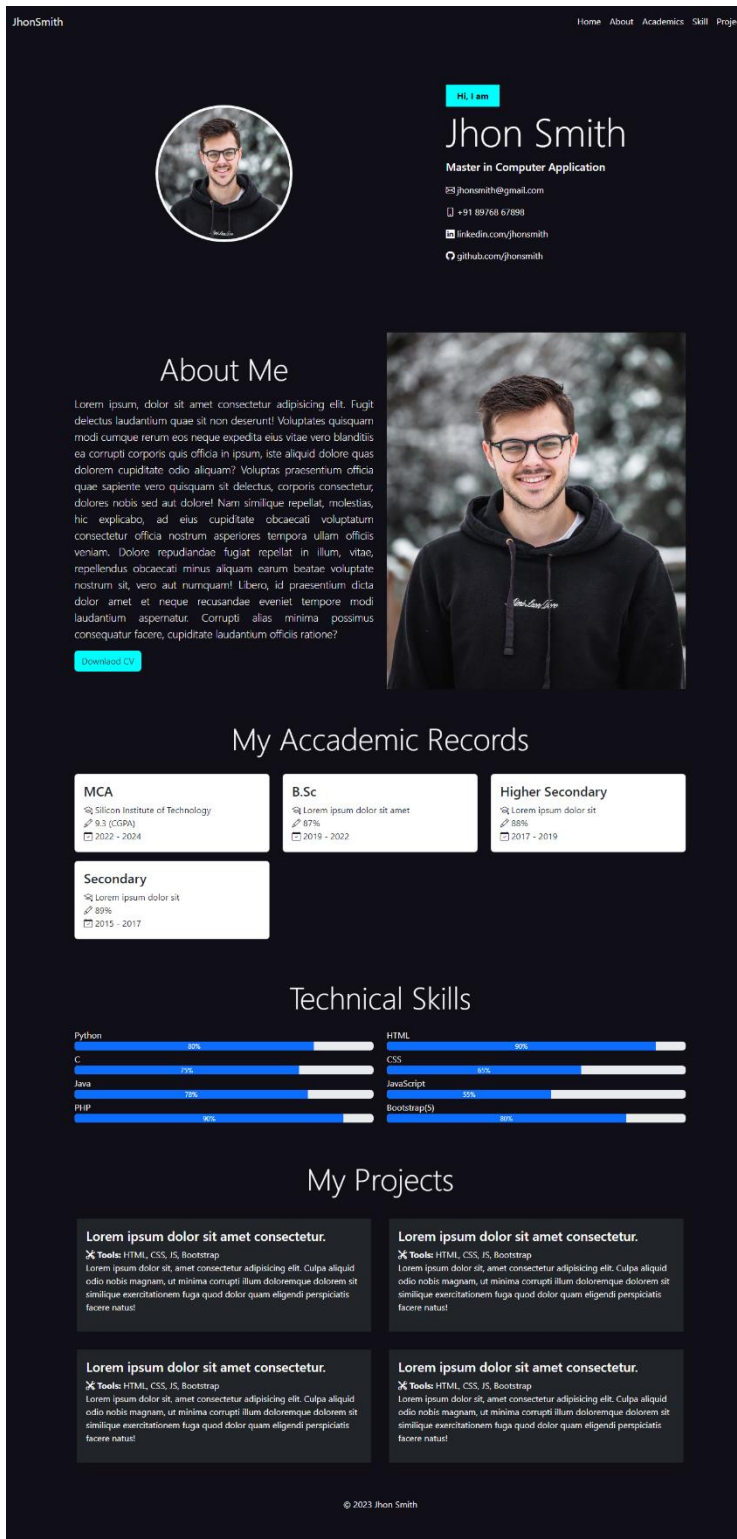
Password

Name: Sunil Kumar Sahoo

Sic No: 23MMCI38

Lab (A2) - 16

2. Design the given template using HTML, CSS, and Bootstrap 5



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HTML Code:

```

<!-- Name: Sunil Kumar Sahoo -->
<!-- Sic No: 23MMCI38 -->
<!-- Roll No: 16 (A2) -->
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>My Portfolio</title>
  <link rel="stylesheet" href="./bootstrap-5.3.3-dist/css/bootstrap.min.css">
  <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.11.3/font/bootstrap-
icons.min.css">
</head>
<body class="bg-black">
  <!-- ----- Nav Bar ----- -->
  <nav class="navbar navbar-expand-lg">
    <div class="container-fluid">
      <a class="navbar-brand text-white" href="#">SunilKumar</a>
      <button class="navbar-toggler bg-white" 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">
          <li class="nav-item">
            <a class="nav-link active text-white" aria-current="page" href="#">Home</a>
          </li>
          <li class="nav-item">
            <a class="nav-link active text-white" aria-current="page" href="#about">About</a>
          </li>
          <li class="nav-item">
            <a class="nav-link active text-white" aria-current="page" href="#academic">Academic</a>
          </li>
          <li class="nav-item">
            <a class="nav-link active text-white" aria-current="page" href="#skill">Skill</a>
          </li>
          <li class="nav-item">
            <a class="nav-link active text-white" aria-current="page" href="#project">Projects</a>
          </li>
        </ul>
      </div>
    </div>
  </nav>
  <!-- ----- Section - 1 ----- -->
  <section class="container">
    <div class="row text-white mt-5">

```

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```

<div class="col-md-6 text-center">
  
</div>
<div class="col-md-6 p-5">
  <span class="text-black bg-info py-1 px-3">Hi I Am</span>
  <h1 class="fw-lighter" style="font-size: 3rem;">Sunil Kumar</h1>
  <h4>Master In Computer Application</h4>
  <a href="mailto:sunilkumarsahoo.work@gmail.com" class="d-block my-3 text-decoration-none
text-white"><i
    class="me-2 bi bi-envelope"></i>sunilkumar@gmail.com</a>
  <a href="#" class="d-block my-3 text-decoration-none text-white"><i class="me-2 bi bi-
phone"></i>6372855655</a>
  <a href="https://www.linkedin.com/in/sunilkumarsahoo14/" class="d-block my-3 text-decoration-
none text-white"><i
    class="me-2 bi bi-linkedin"></i>LinkedIn/SunilKumar</a>
  <a href="https://github.com/sunilkumarsahoo14" class="d-block my-3 text-decoration-none text-
white"><i
    class="me-2 bi bi-github"></i>GitHub/SunilKumar</a>
</div>
</div>
</section>
<!-- ----- Section - 2 ----- -->
<section id="about" class="container">
  <div class="row text-white mt-1 g-3">
    <div class="col-md-6">
      <h1 class="m-3 fw-lighter text-center" style="font-size: 2rem;">About Me</h1>
      <div>
        <p class="py-2 fs-5" style="text-align: justify;">I completed my graduation with a BSc in
Computer Science
        from The Government Autonomous College, Anugul. Currently, I am pursuing my Master's in
Computer
        Applications at Silicon University, Bhubaneswar. I am always ready to embrace new experiences,
meet new
        people, and learn new things.
        I have a strong interest in Programming, Website Building, Software Development, UI/UX
Design, Coding, Video
        Editing, Communication, Social Networking, and more.
        After many trials and errors, I began my blogging journey by creating an educational content
website
        (www.dowithme.in), where I post tech blogs and update content weekly.
        I started my content creation journey on YouTube in August 2021, producing videos to mentor
students in
        their studies and careers. As a content creator, I have made over 500 videos and photos, which I
share on my
        Instagram, Facebook profiles, and YouTube channels.
        As a part-time freelancer, I have created infographics and banners, edited photos and videos,
managed social

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```

<div class="card">
  <div class="card-body">
    <h5 class="card-title fs-3">Higher Secondary</h5>
    <h6><i class="bi bi-mortarboard"></i> U.G. Ucha Bidyapitha, Khamar</h6>
    <h6><i class="bi bi-pencil"></i> 87.33%</h6>
    <h6><i class="bi bi-calendar-check"></i> 2015-2018</h6>
  </div>
</div>
</div>
</section>
<!-- ----- Section - 4 ----- -->
<section id="skill" class="container text-white">
  <h1 class="m-3 fw-lighter text-center" style="font-size: 2rem;">Technical Skills</h1>
  <div class="row">
    <div class="col-md-6">
      <h6>PYTHON</h6>
      <div class="progress" role="progressbar" aria-label="Example with label" aria-valuenow="80"
aria-valuemin="0"
      aria-valuemax="100">
        <div class="progress-bar" style="width: 80%">80%</div>
      </div>
      <h6>C</h6>
      <div class="progress" role="progressbar" aria-label="Example with label" aria-valuenow="65"
aria-valuemin="0"
      aria-valuemax="100">
        <div class="progress-bar" style="width: 65%">65%</div>
      </div>
      <h6>JAVA</h6>
      <div class="progress" role="progressbar" aria-label="Example with label" aria-valuenow="50"
aria-valuemin="0"
      aria-valuemax="100">
        <div class="progress-bar" style="width: 50%">50%</div>
      </div>
      <h6>PHP</h6>
      <div class="progress" role="progressbar" aria-label="Example with label" aria-valuenow="25"
aria-valuemin="0"
      aria-valuemax="100">
        <div class="progress-bar" style="width: 25%">25%</div>
      </div>
    </div>
    <div class="col-md-6">
      <h6>HTML</h6>
      <div class="progress" role="progressbar" aria-label="Example with label" aria-valuenow="90"
aria-valuemin="0"
      aria-valuemax="100">
        <div class="progress-bar" style="width: 90%">90%</div>
      </div>
      <h6>CSS</h6>
    </div>
  </div>

```

```

    <div class="progress" role="progressbar" aria-label="Example with label" aria-valuenow="60"
aria-valuemin="0"
    aria-valuemax="100">
    <div class="progress-bar" style="width: 60%">60%</div>
    </div>
    <h6>Java Script</h6>
    <div class="progress" role="progressbar" aria-label="Example with label" aria-valuenow="25"
aria-valuemin="0"
    aria-valuemax="100">
    <div class="progress-bar" style="width: 25%">25%</div>
    </div>
    <h6>Bootstrap-5</h6>
    <div class="progress" role="progressbar" aria-label="Example with label" aria-valuenow="35"
aria-valuemin="0"
    aria-valuemax="100">
    <div class="progress-bar" style="width: 30%">30%</div>
    </div>
    </div>
</section>
<!-- ----- Section - 5 ----- -->
<section id="project" class="container mt-5 text-white">
    <h1 class="m-3 fw-lighter text-center" style="font-size: 2rem;">My Projects</h1>
    <div class="row g-4 mt-3">
        <div class="col-md-6">
            <div class="card" style="background-color: rgba(44, 44, 44, 0.742); color: white;">
                <div class="card-body">
                    <h5 class="card-title">Student Management System</h5>
                    <h6 class="card-subtitle text-white d-inline"><i class="bi bi-tools"></i> Tools: </h6> JAVA,
ORACLE, SQL,
UI/UX
                    <p class="card-text">A Software Which Helps The Teachers As Well As Institute Management
Staffs To Manage The Student Details And Their Marks.</p>
                    <!-- <a href="#" class="card-link">Card link</a> -->
                </div>
            </div>
        </div>
        <div class="col-md-6">
            <div class="card" style="background-color: rgba(44, 44, 44, 0.742); color: white;">
                <div class="card-body">
                    <h5 class="card-title">Personal Voice Assistance - JARVIS</h5>
                    <h6 class="card-subtitle text-white d-inline"><i class="bi bi-tools"></i> Tools: </h6> Python,
Pyttsx3,
Chat-GPT
                    <p class="card-text">A Personal Assistance Called “Jarvis”. I
Used It To Do Tasks Like: Opening Chrome Tabs, Saying
Daily Time & Weather, Playing Music And Saying Study
Reminders.</p>
                    <!-- <a href="#" class="card-link">Card link</a> -->
                </div>
            </div>
        </div>
    </div>

```

```

    </div>
  </div>
</div>
<div class="col-md-6">
  <div class="card" style="background-color: rgba(44, 44, 44, 0.742); color: white;">
    <div class="card-body">
      <h5 class="card-title">Employee Management System - CRUD</h5>
      <h6 class="card-subtitle text-white d-inline"><i class="bi bi-tools"></i> Tools: </h6> Python,
Flask, Front
      End & SQL DB
      <p class="card-text">A CRUD Application Which Helps The Management To Manage Their
Employee Details</p>
      <!-- <a href="#" class="card-link">Card link</a> -->
    </div>
  </div>
</div>
<div class="col-md-6">
  <div class="card" style="background-color: rgba(44, 44, 44, 0.742); color: white;">
    <div class="card-body">
      <h5 class="card-title">Freelancing Agency Portfolio</h5>
      <h6 class="card-subtitle text-white d-inline"><i class="bi bi-tools"></i> Tools: </h6> HTML,
CSS, JS,
      Bootstrap5, UI/UX
      <p class="card-text">A Portfolio Website For Freelancing Agency, Showcasing The Team
Members And Their
      Works. </p>
      <!-- <a href="#" class="card-link">Card link</a> -->
    </div>
  </div>
</div>
</div>
</section>
<footer class="text-center m-5 text-white">
  <span>©2023 SunilKumar</span>
</footer>
<!-- ----- Script Of JS - Bootstrap ----- -->
<script src="./bootstrap-5.3.3-dist/js/bootstrap.bundle.js"></script>
</body>
</html>

```

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