GURU NANAK DEV ENGINEERING COLLEGE, LUDHIANA

DEPARTMENT OF INFORMATION TECHNOLOGY

WEB TECHNOLOGIES LABORATORY

(LPCIT-107)

FOURTH SEMESTER

Session: January-June 2021

Batch: 2019-2023

Submitted By: Submitted to:

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Practical 1

Question: *Create a simple web pages by writing HTML using a simple text editor, notepad. Demonstrate the following components of the web page: Page title and headings Paragraph and inline images*

Code: **HTML CODE**

```html
<html>
<head>
<title>My first HTML page</title>
</head>
<body>
    <img src="logo.png" alt="GNDEC logo" height="200px" width="1500px">
    <h1> Welcome to GNDEC</h1>
    <p> Guru Nanak Dev Engineering College, one of the prestigious, oldest and minority insti
tution of Northern India, <br>
        was established under the aegis of Nankana Sahib Education Trust (NSET) in 1956.</p>
    <p>
        The College was affiliated with Punjab University, Chandigarh since its inception. On
 establishment of Punjab Technical
        University, Jalandhar, since 1997 the college is affiliated with it, which is now kn
own as I.K.Gujral Punjab Technical
        University (IKGPTU).
    </p>



    <h3> Link to the GNDEC site is</h3>
    <a href="https://gndec.ac.in/" > Visit GNDEC official site</a>
    <br>
</body>
```
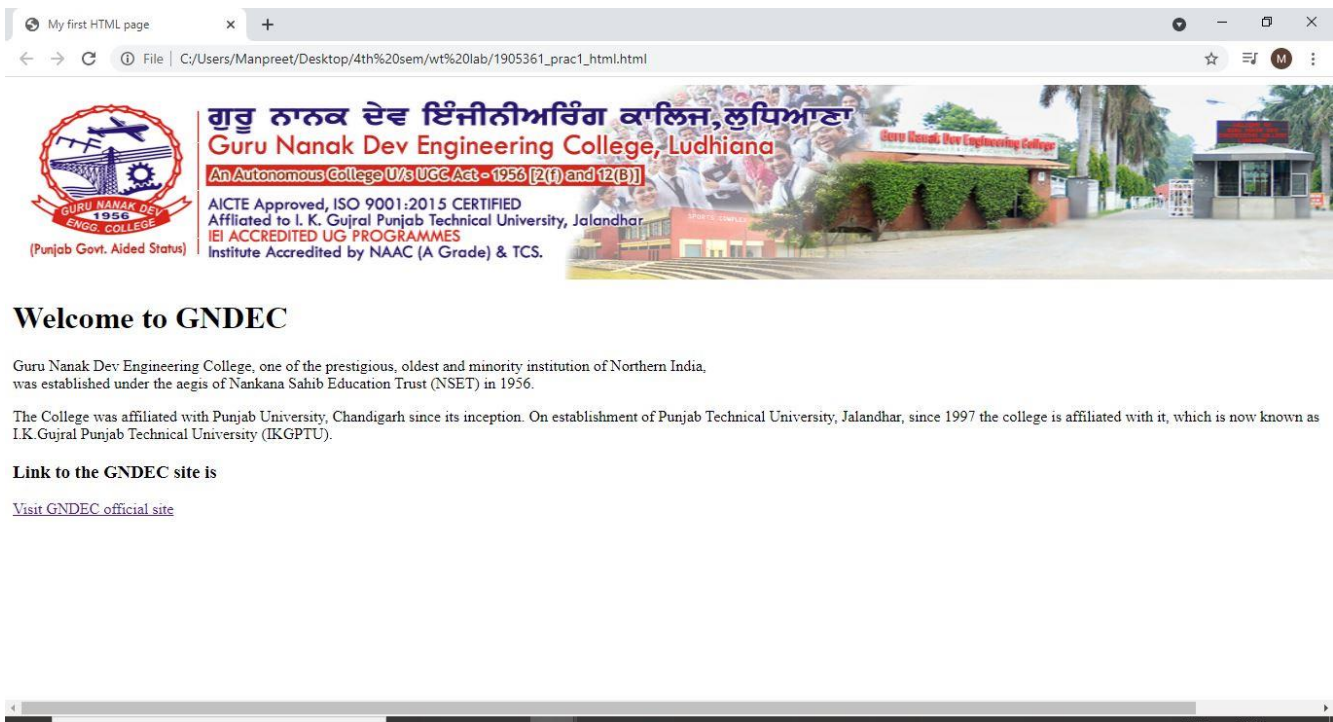
Output:

Practical 2

Question: *Demonstrate the use of links, lists, and tables in html. You should be able to link separate pages and create named links within a document, using them to build a "table of contents".*

Code: **HTML CODE**

```html
<!DOCTYPE html>
<html>
<body>
<title>Practical 2</title>
<style>

  table,th,td {
    border: 1px solid black;
    background-color: #f5f5f5;
  }

  </style>
<h2>Details</h2>

<table style="width:50%">
  <tr>
    <th>Name</th>
    <th>Age</th>
    <th>Blog Link</th>
  </tr>
  <tr>
    <td>Jill</td>
    <td>50</td>
    <td><a href="https://www.wix.com/">Jill</a></td>
  </tr>
  <tr>
    <td>Eve</td>
    <td>94</td>
    <td><a href="https://www.wix.com/">Eve</a></td>
  </tr>
  <tr>
    <td>John</td>
    <td>80</td>
    <td><a href="https://www.wix.com/">John</a></td>
  </tr>
  <tr>
      <td>Doe</td>
      <td>40</td>
      <td><a href="https://www.wix.com/">Doe</a></td>
  </tr>
  <tr>
    <td>Jackson</td>
    <td>60</td>
    <td><a href="https://www.wix.com/">Jackson</a></td>
```

```
    </tr>
    <tr>
        <td>Jackson</td>
        <td>60</td>
        <td><a href="https://www.wix.com/">Smith</a></td>
    </tr>

</table>

</body>
</html>
```

Output:

Name	Age	Blog Link
Jill	50	Jill
Eve	94	Eve
John	80	John
Doe	40	Doe
Jackson	60	Jackson
Jackson	60	Smith

Practical 3

Question: *Create a simple forms in HTML and demonstrate the use of various form elements like input box, textarea, submit and radio buttons etc.*

Code: **HTML CODE**

```html
<!DOCTYPE html>
<html>
<body>

<h1>Form</h1>
<label for="fname">First name:</label>
<input type="text" id="fname" name="fname"><br><br>
<label for="lname">Last name:</label>
<input type="text" id="lname" name="lname"><br><br>



<label for="text area">Feedback:</label>
<textarea id="textareaa" name="Textarea" rows="4" cols="50"> </textarea>
<br><br>



  <p>Gender:</p>
  <input type="radio" id="male" name="gender" value="male">
  <label for="male">Male</label><br>
  <input type="radio" id="female" name="gender" value="female">
  <label for="female">Female</label><br>
  <br><br>

 <input type="submit" value="Submit">
</body>
</html>
```
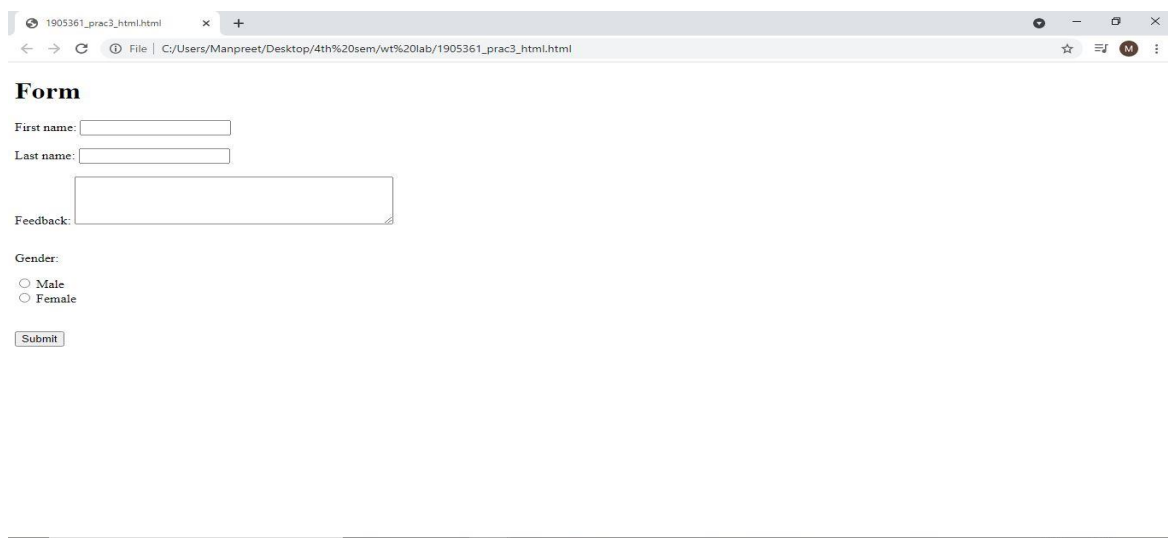
Output:

Practical 4

Question: *Demonstrate the use of cascading style sheets (CSS) (inline, internal and external) to specify various aspects of style, such as colours and text fonts and sizes, in html document.*

Code: **HTML CODE**

```html
<!DOCTYPE html>
<html lang="en">
 <head>
 <meta charset="UTF-8" />
 <meta http-equiv="X-UA-Compatible" content="IE=edge" />
 <meta name="viewport" content="width=device-width, initial-scale=1.0" />
 <title>Practical 4</title>
 <style>
 .internal {
 margin: 20px 50px;
 background-color: #3edbf0;
 color: #02475e;
 font-weight: 500;
 font-family: "Arial Narrow Bold", sans-serif;
 padding: 30px;
 border-radius: 20px;
 }
 </style>
 <link rel="stylesheet" href="1905361_prac4_css.css" />
 </head>
 <body>
 <h1 style="text-align: center">Use of Cascading Style Sheets (CSS)</h1>
 <div style="text-align: center; font-size: 3em">
 Inline,Internal & External CSS
 </div>
 <div
 style="
 margin: 20px 50px;
 background-color: #ff8474;
 color: #02475e;
 font-weight: 500;
 font-family: 'Arial Narrow Bold', sans-serif;
 padding: 30px;
 border-radius: 20px;
 "
 >
 Inline CSS An inline style may be used to apply a unique style for a
 single element. To use inline styles, add the style attribute to the
 relevant element. The style attribute can contain any CSS property.
 </div>
 <div class="internal">
 Internal CSS An internal style sheet may be used if one single HTML page
 has a unique style.
 </div>
 <div class="external">
 External CSS With an external style sheet, you can change the look of an
```

```
entire website by changing just one file! Each HTML page must include a
reference to the external style sheet file inside the <link /> element,
inside the head section.
</div>
</body>
</html>
```
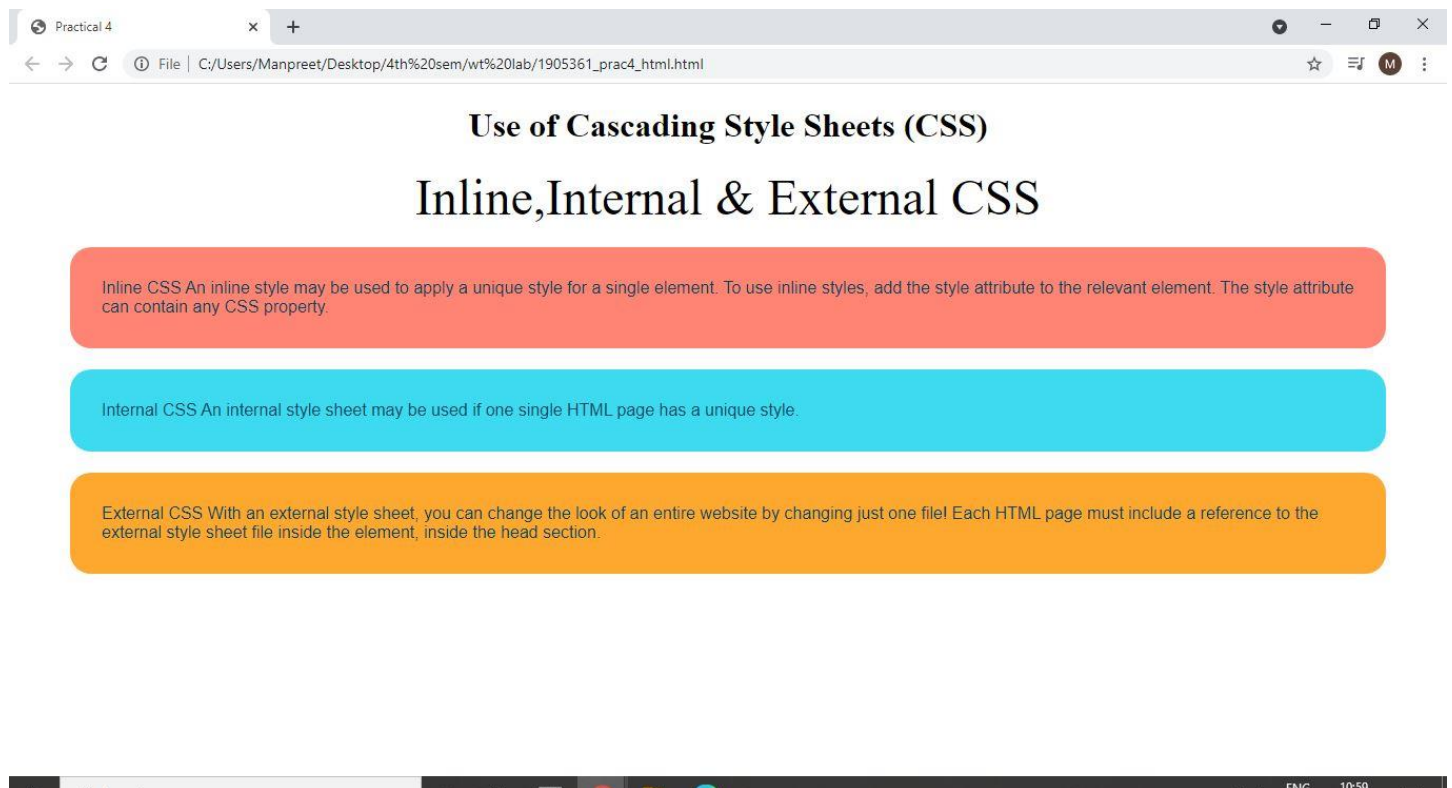
CSS CODE

```css
.external {
margin: 20px 50px;
background-color: #fea82f;
color: #02475e;
font-weight: 500;
font-family: "Arial Narrow Bold", sans-serif;
padding: 30px;
border-radius: 20px;
}
```

Output:

Practical 5

Question: *Creation of web pages using HTML5 and CSS3*

Code: **HTML CODE**

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" href="1905361_prac5_css.css">
    <title>Practical 5</title>
</head>
<body>
    <header id="showcase">
        <font color="white"><h1>My Website</h1>
         <p> Lorem ipsum dolor sit amet, consectetur adipisicing elit.
        Modi officiis ipsum officia numquam expedita ullam</font></p>
        <a href="#" class="button">Read More</a>
    </header>
    <section class="section_a">
        <p>
            Lorem ipsum dolor sit amet, consectetur adipisicing elit. Fugit minus impedit max
ime,
            quae soluta quis cumque perferendis! Doloribus quaerat, placeat iste facere, aspe
rnatur
            ex cum veritatis laudantium, officia, non porro exercitationem incidunt quis dolo
re?
            Officia ex accusamus expedita optio, voluptatem minus? In maiores omnis aperiam e
arum
            ab molestiae beatae laborum blanditiis incidunt, delectus dolor, id voluptates op
tio
            aspernatur aliquam saepe atque labore? Tempore reprehenderit ab ipsam perspiciati
s ut,
            provident perferendis sapiente in numquam blanditiis, enim, illo error nulla inci
dunt
            quos quidem ratione repellat ipsa molestias veritatis? Mollitia, fugit dolore com
modi
            porro repudiandae atque, eos, ipsum quam culpa fuga deleniti quae.
        </p>
    </section>

    <section class="section_b">
        <p>
            Lorem ipsum dolor sit amet, consectetur adipisicing elit. Fugit minus impedit max
ime,
            quae soluta quis cumque perferendis! Doloribus quaerat, placeat iste facere, aspe
rnatur
            ex cum veritatis laudantium, officia, non porro exercitationem incidunt quis dolo
re?
```

```
            Officia ex accusamus expedita optio, voluptatem minus? In maiores omnis aperiam e
arum
            ab molestiae beatae laborum blanditiis incidunt, delectus dolor, id voluptates op
tio
            aspernatur aliquam saepe atque labore? Tempore reprehenderit ab ipsam perspiciati
s ut,
        </p>
    </section>

    <section id="section_c">
        <div class="box_1">
            Lorem ipsum dolor sit amet, consectetur adipisicing elit.
            Modi officiis ipsum officia numquam expedita ullam!
        </div>
        <div class="box_2">
            Lorem ipsum dolor sit amet, consectetur adipisicing elit.
            Modi officiis ipsum officia numquam expedita ullam!
        </div>
        <div class="box_3">
            Lorem ipsum dolor sit amet, consectetur adipisicing elit.
            Modi officiis ipsum officia numquam expedita ullam!
        </div>

    </section>


</body>
</html>
```

CSS CODE

```
*{
    margin:0;
    padding: 0;
}

body{
    margin: 0;
    font-family: Arial, Helvetica, sans-serif;
    font-size: 19px;
    color:peru;
/*    #926239;        */
    line-height: 1.6;
}

#showcase{
    background-image: url("backgrnd.jpg");
    background-size: cover;
    background-position: center;
    height:100vh;
    display: flex;
    justify-content: center;
```

```css
    flex-direction: column;
    align-items: center;
    text-align: center;
    padding: 0 20px;
}

#showcase h1{
    font-size: 50px;
    line-height: 1.2;
}
#showcase p{
    font-size: 20px;
}

#showcase .button{
    font-size: 18px;
    text-decoration: none;
    color:peru;
    border: peru 2px solid;
    padding: 10px 20px;
    border-radius: 4px;
    margin-top: 25px;
}

#showcase .button:hover{
    background-color: #cd853f;
    color:#fff;
}
.section_a{
    padding: 20px;
    background: peru;
    color:whitesmoke;
    text-align: center;
}

.section_b{
    padding: 20px;
    background: #f4f4f4;
    text-align: center;
}

#section_c{
    display: flex;
}
#section_c div{
    padding: 20px;
}

#section_c .box_1,#section_c .box_3{
    background: peru;
    color: whitesmoke;
}
```
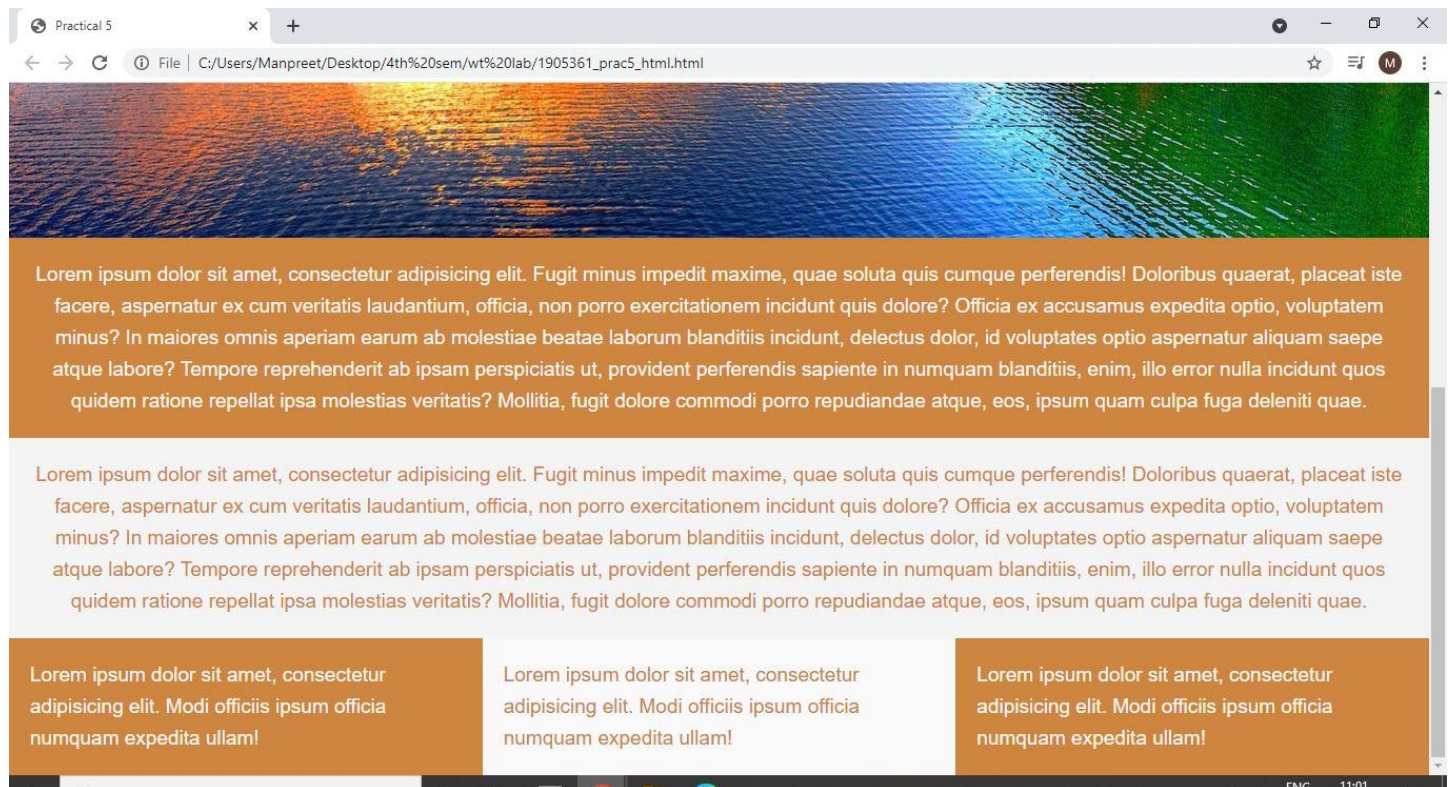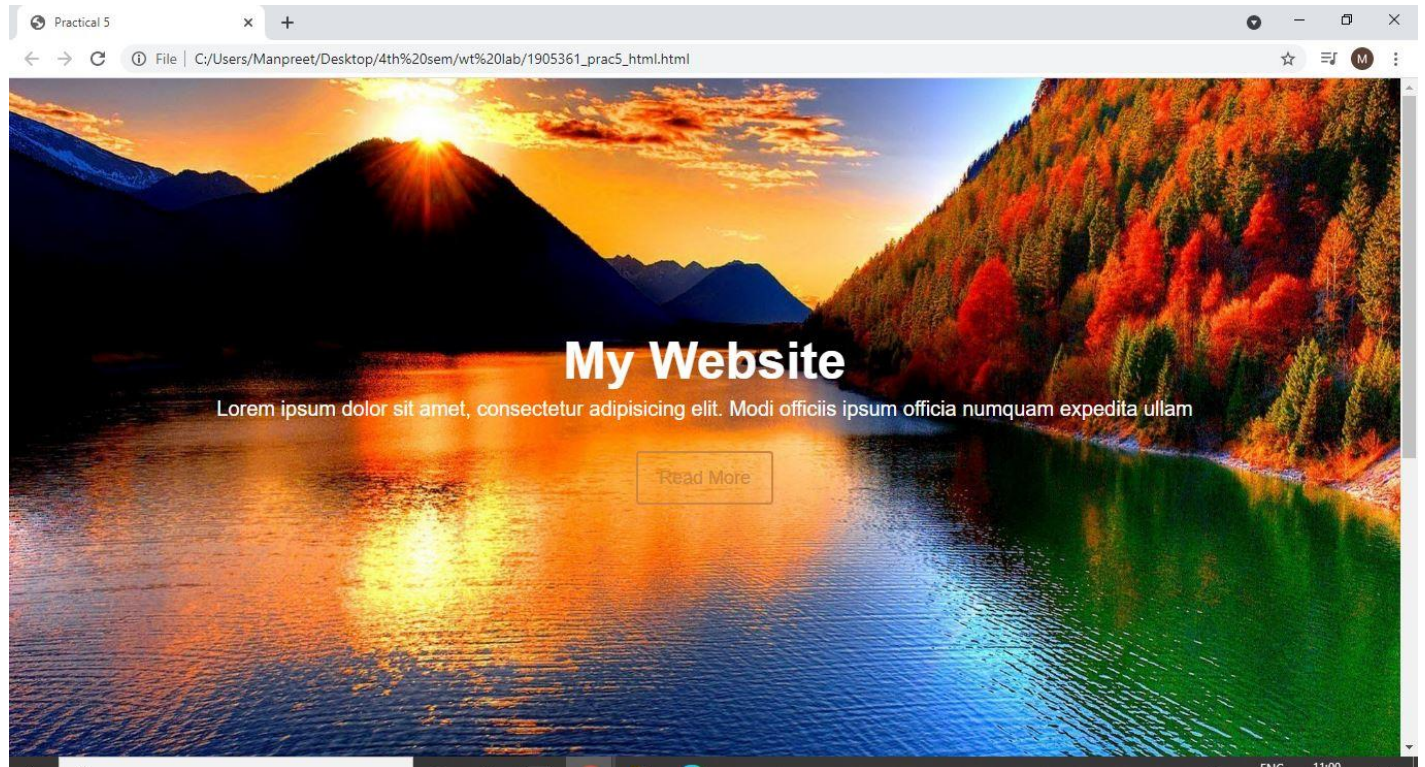
```
#section_c .box_2{
    background-color: #f9f9f9;
}
```

Output:

Practical 6

Question: *Demonstrate the use of bootstrap framework*

Code: **HTML CODE**

```html
<!doctype html>
<html lang="en">

<head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

    <!-- Bootstrap CSS -->
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css"
        integrity="sha384-
MCw98/SFnGE8fJT3GXwEOngsV7Zt27NXFoaoApmYm81iuXoPkFOJwJ8ERdknLPMO" crossorigin="anonymous">
    <title>Practical 6</title>
</head>

<body>
    <nav class="navbar navbar-expand-lg navbar-dark bg-dark">
        <a class="navbar-brand" href="#">WT</a>
        <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarSupportedContent"
            aria-controls="navbarSupportedContent" aria-expanded="false" aria-
label="Toggle navigation">
            <span class="navbar-toggler-icon"></span>
        </button>
        <div class="collapse navbar-collapse" id="navbarSupportedContent">
            <ul class="navbar-nav mr-auto">
                <li class="nav-item active">
                    <a class="nav-link" href="#">Home <span class="sr-
only">(current)</span></a>
                </li>
                <li class="nav-item">
                    <a class="nav-link" href="#">About</a>
                </li>
                <li class="nav-item dropdown">
                    <a class="nav-link dropdown-
toggle" href="#" id="navbarDropdown" role="button"
                        data-toggle="dropdown" aria-haspopup="true" aria-expanded="false">
                        Topics
                    </a>
                    <div class="dropdown-menu" aria-labelledby="navbarDropdown">
                        <a class="dropdown-item" href="#">HTML</a>
                        <a class="dropdown-item" href="#">CSS</a>
                        <div class="dropdown-divider">JavaScript</div>
                        <a class="dropdown-item" href="#">Jquery</a>
                        <a class="dropdown-item" href="#">Ajax</a>
<div class="dropdown-divider"></div>
```

```html
                <a class="dropdown-item" href="#">PHP</a>
                <a class="dropdown-item" href="#">Bootstrap</a>
            </div>
        </li>
        <li class="nav-item">
            <a class="nav-link" href="#">Contact Us</a>
        </li>
    </ul>
    <form class="form-inline my-2 my-lg-0">
        <input class="form-control mr-sm-2" type="search" placeholder="Search" aria-label="Search">
        <button class="btn btn-outline-success my-2 my-sm-0" type="submit">Search</button>
    </form>
  </div>
</nav>

<div id="carouselExampleIndicators" class="carousel slide carousel-fade" data-ride="carousel">
    <ol class="carousel-indicators">
        <li data-target="#carouselExampleIndicators" data-slide-to="0" class="active"></li>
        <li data-target="#carouselExampleIndicators" data-slide-to="1"></li>
        <li data-target="#carouselExampleIndicators" data-slide-to="2"></li>
    </ol>
    <div class="carousel-inner">
        <div class="carousel-item active">
            <img class="d-block w-100" src="https://source.unsplash.com/1400x300/?nature,water" alt="First slide">
            <div class="carousel-caption d-none d-md-block">
                <h2>First slide label</h2>
                <p>Lorem Ipsum is simply dummy text of the printing and typesetting industry.</p>
                <button class="btn btn-danger">Technology</button>
                <button class="btn btn-primary">Web Development</button>
                <button class="btn btn-success">Tech Fun</button>
            </div>

        </div>
        <div class="carousel-item">
            <img class="d-block w-100" src="https://source.unsplash.com/1400x300/?nature,python" alt="Second slide">
            <div class="carousel-caption d-none d-md-block">
                <h2>second slide label</h2>
                <p>It is a long established fact that a reader will be distracted by the readable content of a page
                    when looking at its layout. </p>
                <button class="btn btn-danger">Technology</button>
                <button class="btn btn-primary">Web Development</button>
                <button class="btn btn-success">Tech Fun</button>
            </div>
        </div>
```

```html
            <div class="carousel-item">
                <img class="d-block w-
100" src="https://source.unsplash.com/1400x300/?nature,code" alt="Third slide">
                <div class="carousel-caption d-none d-md-block">
                    <h2>Third slide label</h2>
                    <p>There is no one who loves pain itself, who seeks after it and wants to
 have it, simply because it
                       is pain...</p>
                    <button class="btn btn-danger">Technology</button>
                    <button class="btn btn-primary">Web Development</button>
                    <button class="btn btn-success">Tech Fun</button>
                </div>
            </div>
        </div>
        <a class="carousel-control-
prev" href="#carouselExampleIndicators" role="button" data-slide="prev">
            <span class="carousel-control-prev-icon" aria-hidden="true"></span>
            <span class="sr-only">Previous</span>
        </a>
        <a class="carousel-control-
next" href="#carouselExampleIndicators" role="button" data-slide="next">
            <span class="carousel-control-next-icon" aria-hidden="true"></span>
            <span class="sr-only">Next</span>
        </a>
    </div>

    <div class="container my-4">
        <div class="row mb-2">
            <div class="col-md-6">
                <div class="card flex-md-row mb-4 shadow-sm h-md-250">
                    <div class="card-body d-flex flex-column align-items-start">
                        <strong class="d-inline-block mb-2 text-primary">PHP</strong>
                        <p class="card-text mb-
auto">Lorem Ipsum is simply dummy text of the printing and typesetting industry.</p>
                        <a href="#">Continue reading</a>
                    </div>
                    <img class="card-img-right flex-auto d-none d-lg-block" data-
src="holder.js/200x250?theme=thumb"
                        alt="Thumbnail [200x250]" style="width: 200px; height: 250px;"
                        src="https://source.unsplash.com/500x700/?nature,water" data-holder-
rendered="true">
                </div>
            </div>
            <div class="col-md-6">
                <div class="card flex-md-row mb-4 shadow-sm h-md-250">
                    <div class="card-body d-flex flex-column align-items-start">
                        <strong class="d-inline-block mb-2 text-success">JavaScript</strong>
                        <p class="card-text mb-
auto">Lorem Ipsum is simply dummy text of the printing and typesetting industry.</p>
                        <a href="#">Continue reading</a>
                    </div>
```
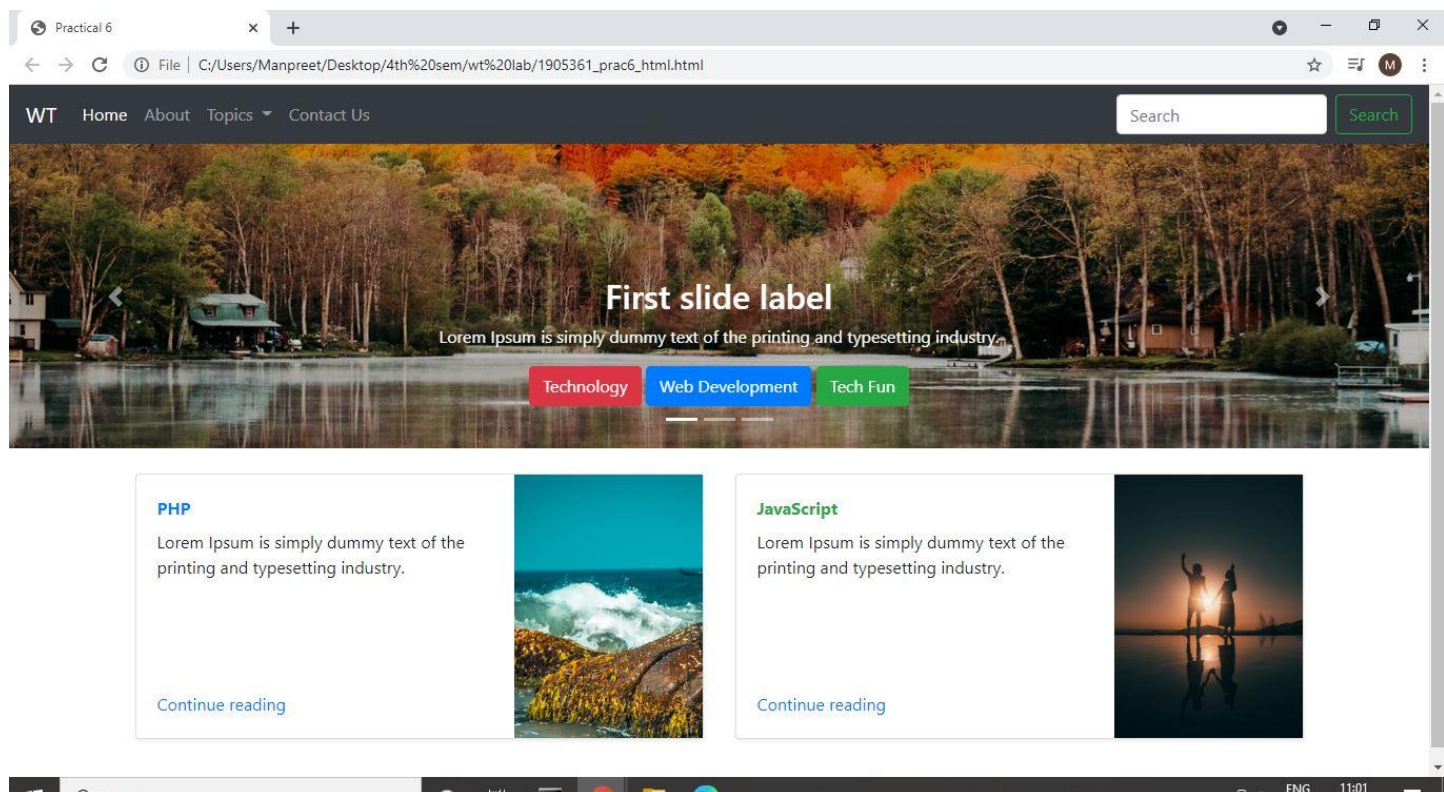
```
                <img class="card-img-right flex-auto d-none d-lg-block" data-
src="holder.js/200x250?theme=thumb"
                    alt="Thumbnail [200x250]" src="https://source.unsplash.com/500x700/?n
ature,technology"
                    data-holder-rendered="true" style="width: 200px; height: 250px;">
            </div>
        </div>
    </div>
</div>
</body>

</html>
```

Output:

Question: *Creating web pages using PHP.*

Code: HTML CODE

```html
<html>
<head>
<link rel="stylesheet" href="1905361_prac7_css.css">
</head>
<form name="frm" action="1905361_prac7_php.php" method="post">
<center>
<h1><u>Please fill your details and your feedback.</u> </h1> <br>
<span>Name:</span><br> <input type="text" name="name" size="5" required="">
<br><br>
<span>Phone number:</span><br><input type="text" name="phonenumber" required="">
<br><br>
<span>Address:</span><br>
<input type="text" name="address" required="" >
<br><br>
<span>E-mail address:</span><br>
<input type="email" name="email" required="">
<br><br>
<span>Feedback:</span><br>
<textarea rows="8" cols="55" name="feedback" required="">
</textarea><br><br>
<input type="submit" name="submit" Value="SUBMIT">&nbsp
<input type="reset" Value="RESET"></center>
</form>
</body>
</html>
```

CSS CODE

```css
body{
    background:-webkit-linear-gradient(left,#FFC0CB,#C0C0C0);
    color:black;
}

input{
border-radius:15px;
border-bottom: 2px solid aqua;
height:45px;
width:25%;
color:black;
font-size: 15;
}
```

PHP CODE

```php
<?php
$conn= mysqli_connect("localhost","root","","feedback");
```

```php
if(isset($_POST['submit'])){
$name=$_POST['name'];
$phonenumber=$_POST['phonenumber'];
$address=$_POST['address'];
$email=$_POST['email'];
$feedback=$_POST['feedback'];
$query="insert into feedback_table(name,phonenumber,address,email,feedback)
values('$name','$phonenumber','$address','$email','$feedback')";
$run=mysqli_query($conn,$query);
if($run){
echo "Feedback posted";
}
else{
echo "Error:" .mysqli_error($conn);
}
}
?>
```

Output: