



KESHAV MEMORIAL INSTITUTE OF TECHNOLOGY

(Approved by AICTE & Govt of T.S. and Affiliated to JNTUH)
NARAYANAGUDA, HYDERABAD - 500 029.

Certificate

This is to certify that the following is a Bonafide Record of the practical work done by _____
bearing Roll No. _____ of _____ Branch of
_____ year B.Tech Course in the _____
Laboratory during the Academic year _____ & _____ under our supervision.

Number of experiments conducted : _____

Signature of Staff Member Incharge

Signature of Head of the Dept.

Signature of Internal Examiner

Signature of External Examiner

LAB INSTRUCTIONS

1. The student is not allowed for the laboratory class without observation book and record of the completed experiment.
2. Before coming to the laboratory, each student should read theory and procedure of the experiment to be done.
3. Before leaving the laboratory, the items issued should be returned to lab instructor and should have to bear the cost of any damage or missing items.
4. The stools should be kept back to normal - position before leaving laboratory.
5. Carry bags and other belongings are not allowed in to the laboratory.
6. The lab schedule for different batches should be strictly followed.
7. Discipline should be maintained in the lab record writing instructions.

INSTRUCTIONS FOR RECORD WRITING

1. Right hand side page of the record should have the following in order.
 - a. Serial number and date of the Experiment done (in the margin)
 - b. Name and number of the experiment as given in the list.
 - c. Aim of the experiment.
 - d. Description of the apparatus.
 - e. Procedure including sources of error and precautions taken to eliminate or minimize them
 - f. Inference or Result.
 2. Left hand side pages should contain the following in their proper places.
 - a. Neat diagram of the main apparatus used.
 - b. Observation tabular form.
 - c. Calculation tabular form.
- NB :
- a. Students should submit a record of the Previous experiments when they come for the next practical work.
 - b. An Experiment is deemed to be complete when it is satisfactorily performed and recorded.
 - c. All suggestions given or defects noted should be attended to when records are taken back.

KEEP THE RECORD BOOK NEAT, IT FETCHES MARKS

PARTICULARS OF THE EXPERIMENT PERFORMED

Faculty Incharge

PARTICULARS OF THE EXPERIMENT PERFORMED

Faculty Incharge

PARTICULARS OF THE EXPERIMENT PERFORMED

Faculty Incharge

PARTICULARS OF THE EXPERIMENT PERFORMED

Faculty Incharge

KESHAV MEMORIAL INSTITUTE OF TECHNOLOGY

Dialy Laboratory Assessment Sheet

Name of the Lab :

Name of the Student :

Class :

HT.No.:

S.No.	Name of the Experiment	Date	Observation Marks (5M)	Record Marks (5M)	Viva Voice Marks (5M)	Total Marks (15M)	Signature of Faculty
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
	TOTAL						

Lab Internal Exam

Write up (5M) =

Experiment & Graph (5M) =

Total (15M+10M) =

Faculty Incharge

Experiment-1

1. Create your portfolio page using HTML tags

```
<!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>Profile Page</title>
</head>
<body>

<h1 >Jane Doe</h1>
  
  <h3> Email: janedoe@johndoe.com</h3>
  <h3> Mobile Number :000-000-0000</h3>
  <hr width="100%" >
  <h3> Career Objective</h3>
  Seeking a responsible career opportunity in the field of
  Computer Science where I can utilize my logical and
  technical skills towards personal and professional development

  <h3> Academic Information </h3>
  <table border="3">
    <tr>
      <th>
        Course Details
      </th>
      <th>
        Institution
      </th>
      <th>
        University/Board
      </th>
      <th>
        Year of passing
      </th>
      <th>
        CGPA
      </th>
    </tr>
```

<table> <tr> <th>Bachelor of Technology (Computer Science)</th></tr> <tr> <th>Keshav Memorial Institute of Technology</th></tr> <tr> <th>JNTUH</th></tr> <tr> <th>2021</th></tr> <tr> <th>7.32</th></tr> </table>	Bachelor of Technology (Computer Science)	Keshav Memorial Institute of Technology	JNTUH	2021	7.32
Bachelor of Technology (Computer Science)					
Keshav Memorial Institute of Technology					
JNTUH					
2021					
7.32					
<table> <tr> <th>Intermediate-MPC</th></tr> <tr> <th>Narayana Junior College, TS</th></tr> <tr> <th>JNTUH</th></tr> <tr> <th>2017</th></tr> <tr> <th>93.9%</th></tr> </table>	Intermediate-MPC	Narayana Junior College, TS	JNTUH	2017	93.9%
Intermediate-MPC					
Narayana Junior College, TS					
JNTUH					
2017					
93.9%					

```

    <tr>
      <th>
        School of Secondary
        Certificate
      </th>
      <th>
        Vijaya Ratna Concept School
      </th>
      <th>
        SSC
      </th>
      <th>
        2015
      </th>
      <th>
        9.5
      </th>
    </tr>

</table>

<h3> Technical skills </h3>
<h4> Programming Languages</h4>
<ul>
  <li>C</li>
  <li>Java</li>
  <li>Python</li>
</ul>
<h4> Databases</h4>
<ul>
  <li>MySQL</li>
</ul>
<h4>Web Technologies</h4>
<ul>
  <li>HTML</li>
  <li>CSS</li>
  <li>Bootstrap</li>
  <li>Node</li>
  <li>ReactJS</li>
  <li>PHP</li>
</ul>

```



```

<h3> Projects </h3>
<ol>
  <li>
    <b> Project Title 1</b><br>
    <b> Technical Stack:</b> MERN <br>
    Lorem ipsum dolor, sit amet consectetur adipisicing
elit. Illum rerum omnis earum enim amet ducimus, fugit hic obcaecati
nam, suscipit magnam commodi impedit eos laboriosam nesciunt dolor
aspernatur deserunt modi</p>
  </li>
  <li>
    <b> Project Title 2</b><br>
    <b> Technical Stack:</b> MEAN <br>
    Lorem ipsum dolor, sit amet consectetur adipisicing
elit. Illum rerum omnis earum enim amet ducimus, fugit hic obcaecati
nam, suscipit magnam commodi impedit eos laboriosam nesciunt dolor
aspernatur deserunt modi</p>
  </li>
  <li>
    <b> Project Title 3</b><br>
    <b> Technical Stack:</b> LAMP <br>
    Lorem ipsum dolor, sit amet consectetur adipisicing
elit. Illum rerum omnis earum enim amet ducimus, fugit hic obcaecati
nam, suscipit magnam commodi impedit eos laboriosam nesciunt dolor
aspernatur deserunt modi</p>
  </li>
</ol>

<h3> Achievements </h3>
<ol>
  <li> Certified in Neural Networks and Deep Learning by
Coursera </li>
  <li> Certified in Ethical Hacking course by NPTEL </li>
  <li> Participated in Scratch Programming Event in KMIT</li>
  <li> Participated in street cause </li>
</ol>

<h3> Strengths </h3>
<ul>
  <li> Positive attitude </li>
  <li> Self-motivated, focused and dedicated </li>
</ul>

```

```
<h3> Personal profile </h3>
<table>
  <tr><td><b>Current Location</b></td><td>:Hyderabad</td>
</tr>
  <tr><td><b>Date of Birth </b> </td><td>:00-00-2000</td>
</tr>
  <tr><td><b>Languages known</b></td><td>:English, Telugu,
Hindi</td> </tr>
</table >
</body>
</html>
```

EXPECTED OUTPUT:

EXPERIMENT-2

2. Update the portfolio page by adding styles to it. Add a contact Us form as well.

```
<!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>Profile Page</title>
</head>
<style>
  body {
    margin: 30px;
    font-family: Arial, Helvetica, sans-serif;
    font-size: 12px;
    line-height: 20px;
    background-color: #FCF8E8;
  }

  .profile {
    box-shadow: 0 4px 8px 0 rgba(0, 0, 0, 0.735);
    max-width: 15%;
    display: block;
    margin-left: auto;
    margin-right: auto;
  }

  .profile-text{
    display: block;
    margin-left: auto;
    margin-right: auto;
    max-width: 10%;
  }

  #score {
    font-family: Arial, Helvetica, sans-serif;
    border-collapse: collapse;
    width: 70%;
```

```

}

#score td {
    border: 1px solid #ddd;
    padding: 8px;
}

#score th {
    padding-top: 12px;
    padding-bottom: 12px;
    text-align: left;
    background-color: #94B49F;
    color: white;
    text-decoration: solid;
}

.proj {
    margin: 10px;
    width: 30%;
    border: 2px solid #DF7861;
    padding: 5px;
    float: left;
}

#conform {
    margin: auto;
    border: 2px solid #DF7861;
    padding: 5px;
    float: left;
    width: 25%;
}
</style>
<body>
    
    <h1 class="profile-text">Jane Doe</h1>
    <h3> Email: janedoe@geemail.com</h3>
    <h3> Mobile Number :000-000-0000</h3>
    <hr width="100%" >
    <h3> Career Objective</h3>
    Seeking a responsible career opportunity in the field of
    Computer Science where I can utilize my logical and

```


technical skills towards personal and professional development

<h3> Academic Information </h3>

<table border="3" id="score">

<tr>

<th>

Course Details

</th>

<th>

Institution

</th>

<th>

University/Board

</th>

<th>

Year of passing

</th>

<th>

CGPA

</th>

</tr>

<tr>

<td>

Bachelor of Technology
(Computer Science)

</td>

<td>

Keshav Memorial

Institute of Technology

</td>

<td>

JNTUH

</td>

<td>

2021

</td>

<td>

7.32

</td>

</tr>

Intermediate-MPC	Narayana Junior College, TS	JNTUH	2017	93.9%
School of Secondary Certificate	Vijaya Ratna Concept School	SSC	2015	9.5

Technical skills

```

<h4> Programming Languages</h4>
<ul>
  <li>C</li>
  <li>Java</li>
  <li>Python</li>
</ul>
<h4> Databases</h4>
<ul>
  <li>MySQL</li>
</ul>
<h4>Web Technologies</h4>
<ul>
  <li>HTML</li>
  <li>CSS</li>
  <li>BootStrap</li>
  <li>Node</li>
  <li>ReactJS</li>
  <li>PHP</li>
</ul>

<h3> Projects </h3>

<div>
  <div class="proj">
    <b> Project Title 1</b><br>
    <b> Technical Stack:</b> MERN <br>
    Lorem ipsum dolor, sit amet consectetur adipisicing
elit. Illum rerum omnis earum enim amet ducimus, fugit hic obcaecati
nam, suscipit magnam commodi impedit eos laboriosam nesciunt dolor
aspernatur deserunt modi</p>
  </div>
  <div class="proj">
    <b> Project Title 2</b><br>
    <b> Technical Stack:</b> MEAN <br>
    Lorem ipsum dolor, sit amet consectetur adipisicing
elit. Illum rerum omnis earum enim amet ducimus, fugit hic obcaecati
nam, suscipit magnam commodi impedit eos laboriosam nesciunt dolor
aspernatur deserunt modi</p>
  </div>
  <div class="proj">
    <b> Project Title 3</b><br>

```

```

        <b> Technical Stack:</b> LAMP <br>
        Lorem ipsum dolor, sit amet consectetur adipisicing
elit. Illum rerum omnis earum enim amet ducimus, fugit hic obcaecati
nam, suscipit magnam commodi impedit eos laboriosam nesciunt dolor
aspernatur deserunt modi</p>
    </div>
</div>

<h3> Achievements </h3>
<ol>
    <li> Certified in Neural Networks and Deep Learning by
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    <li> Participated in street cause </li>
</ol>

<h3> Strengths </h3>
<ul>
    <li> Positive attitude </li>
    <li> Self-motivated, focused and dedicated </li>
</ul>

<h3> Personal profile </h3>
<table>
    <tr><td><b>Current Location</b></td><td>:Hyderabad</td>
</tr>
    <tr><td><b>Date of Birth </b> </td><td>:00-00-2000</td>
</tr>
    <tr><td><b>Languages known</b></td><td>:English, Telugu,
Hindi</td> </tr>
</table >

<h3> Contact me</h3>
<div id="conform">
    <form action="mailto:janedoe@geemail.com" method="POST"
    enctype="text/plain" name="EmailForm">
    <b> Name: </b> <br> <input type="text" size="40"
name="ContactName"> <br>
    <b> Message: </b> <br> <textarea name="ContactComment"
rows="6"
cols="40"></textarea><br>

```



```
        <input type="submit" value="Submit">
    </form>
</div>

</body>
</html>
```

EXPECTED OUTPUT:

EXPERIMENT-3

3. Update the same page using external style sheets or move the added styles to a CSS file and add it to the HTML page

Index.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>Profile Page</title>
  <link rel="stylesheet" href="css/mystyle.css" />
</head>
<body>

  
  <h1 class="profile-text">Jane Doe</h1>
  <h3> Email: janedoe@geemail.com</h3>
  <h3> Mobile Number :000-000-0000</h3>
  <hr width="100%" >
  <h3> Career Objective</h3>
  Seeking a responsible career opportunity in the field of
  Computer Science where I can utilize my logical and
  technical skills towards personal and professional development

  <h3> Academic Information </h3>
  <table border="3" id="score">
    <tr>
      <th>
        Course Details
      </th>
      <th>
        Institution
      </th>
      <th>
        University/Board
      </th>
      <th>
        Year of passing
      </th>
    </tr>
  </table>

```



```

                93.9%
            </td>
        </tr>

        <tr>
            <td>
                School of Secondary
                Certificate
            </td>
            <td>
                Vijaya Ratna Concept School
            </td>
            <td>
                SSC
            </td>
            <td>
                2015
            </td>
            <td>
                9.5
            </td>
        </tr>

    </table>

    <h3> Technical skills </h3>
    <h4> Programming Languages</h4>
    <ul>
        <li>C</li>
        <li>Java</li>
        <li>Python</li>
    </ul>
    <h4> Databases</h4>
    <ul>
        <li>MySQL</li>
    </ul>
    <h4>Web Technologies</h4>
    <ul>
        <li>HTML</li>
        <li>CSS</li>
        <li>BootStrap</li>
        <li>Node</li>
    </ul>

```



```

    <li>ReactJS</li>
    <li>PHP</li>
</ul>

<h3> Projects </h3>

<div>
  <div class="proj">
    <b> Project Title 1</b><br>
    <b> Technical Stack:</b> MERN <br>
    Lorem ipsum dolor, sit amet consectetur adipisicing
elit. Illum rerum omnis earum enim amet ducimus, fugit hic obcaecati
nam, suscipit magnam commodi impedit eos laboriosam nesciunt dolor
aspernatur deserunt modi</p>
  </div>
  <div class="proj">
    <b> Project Title 2</b><br>
    <b> Technical Stack:</b> MEAN <br>
    Lorem ipsum dolor, sit amet consectetur adipisicing
elit. Illum rerum omnis earum enim amet ducimus, fugit hic obcaecati
nam, suscipit magnam commodi impedit eos laboriosam nesciunt dolor
aspernatur deserunt modi</p>
  </div>
  <div class="proj">
    <b> Project Title 3</b><br>
    <b> Technical Stack:</b> LAMP <br>
    Lorem ipsum dolor, sit amet consectetur adipisicing
elit. Illum rerum omnis earum enim amet ducimus, fugit hic obcaecati
nam, suscipit magnam commodi impedit eos laboriosam nesciunt dolor
aspernatur deserunt modi</p>
  </div>
</div>

<h3> Achievements </h3>
<ol>
  <li> Certified  in Neural Networks and Deep Learning by
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  <li> Participated in Scratch Programming Event in KMIT</li>
  <li> Participated in street cause </li>
</ol>

```

```

<h3> Strengths </h3>
<ul>
  <li> Positive attitude </li>
  <li> Self-motivated, focused and dedicated </li>
</ul>

<h3> Personal profile </h3>
<table>
  <tr><td><b>Current Location</b></td><td>:Hyderabad</td>
</tr>
  <tr><td><b>Date of Birth </b> </td><td>:00-00-2000</td>
</tr>
  <tr><td><b>Languages known</b></td><td>:English, Telugu,
Hindi</td> </tr>
</table >

<h3> Contact me</h3>
<div id="conform">
  <form action="mailto:janedoe@geemail.com" method="POST"
  enctype="text/plain" name="EmailForm">
    <b> Name: </b> <br> <input type="text" size="40"
name="ContactName"> <br>
    <b> Message: </b> <br> <textarea name="ContactComment"
rows="6" cols="40"></textarea><br>
    <input type="submit" value="Submit">
  </form>
</div>

</body>
</html>

```

Mystyle.css

```

body {
margin: 0;
font-family: Arial, Helvetica, sans-serif;
font-size: 12px;
line-height: 20px;

```

```

background-color: #FCF8E8;
margin: 10px;
}
.profile {
    box-shadow: 0 4px 8px 0 rgba(0, 0, 0, 0.735);
    max-width: 15%;
    display: block;
    margin-left: auto;
    margin-right: auto;
}
.profile-text{
    display: block;
    margin-left: auto;
    margin-right: auto;
    max-width: 10%;
}
#score {
font-family: Arial, Helvetica, sans-serif;
border-collapse: collapse;
width: 70%;
}

#score td, #score th {
border: 1px solid #ddd;
padding: 8px;
}

#score th {
padding-top: 12px;
padding-bottom: 12px;
text-align: left;
background-color: #94B49F;
color: white;
text-decoration: solid;
}

.proj {
margin: auto;
width: 30%;
border: 2px solid #DF7861;
padding: 5px;

```

```
float: left;
}

#conform {
margin: auto;
border: 2px solid #DF7861;
padding: 5px;
float: left;
width: 25%;
}
```

EXPECTED OUTPUT:

EXPERIMENT-4

4. Update the portfolio page to use Bootstrap.

Index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>Jane Doe</title>

  <!-- Bootstrap CSS -->

  <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/css/bootstra
p.min.css">
  <script
src="https://cdn.jsdelivr.net/npm/jquery@3.6.0/dist/jquery.slim.min.
js"></script>
  <script
src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.m
in.js"></script>
  <script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/js/bootstrap.
bundle.min.js"></script>
  <link href="css/mystyle.css" rel="stylesheet">
  <!-- Font Awesome icons (free version)-->
  <script
src="https://use.fontawesome.com/releases/v6.1.0/js/all.js"
crossorigin="anonymous"></script>

</head>
<body>
  <nav class="navbar navbar-dark navbar-expand-sm fixed-top"
style="background-color: #bd5d38;">
    <div class="container">
      <button class="navbar-toggler" type="button" data-
toggle="collapse" data-target="#Navbar">
        <span class="navbar-toggler-icon"> </span>
```

```

        </button>

        <div class="collapse navbar-collapse" id="Navbar">
            <ul class="navbar-nav mr-auto">
                <li class="nav-item active"><a class="nav-link"
href="#"><span class="fa fa-home fa-lg"></span> About</a></li>
                <li class="nav-item"><a class="nav-link"
href="#acads"><span class="fa fa-list fa-
lg"></span>Academics</a></li>
                <li class="nav-item"><a class="nav-link"
href="#techskills"><span class="fa fa-list fa-lg"></span>Technical
skills</a></li>
                <li class="nav-item"><a class="nav-link"
href="#projects"><span class="fa fa-info fa-lg"></span>
Projects</a></li>
                <li class="nav-item"><a class="nav-link"
href="#achieves"><span class="fa fa-info fa-lg"></span>
Achievements</a></li>
                <li class="nav-item"><a class="nav-link"
href="#contact"><span class="fa fa-address-card fa-lg"></span>
Contact Me</a></li>
            </ul>
        </div>
    </div>

</nav>

<div class="container-fluid" >
    <div class="row" id="about">

        <div class="col-sm-8">
            <h1 class="display-4">Jane Doe</h1>
            <p class="lead"><b> janedoe@geemail.com</b></p>
            <hr class="my-4">
            <p><b> Career Objective </b> <br>Seeking a
responsible career opportunity in the field of Computer Science
where I can utilize my logical and technical skills towards personal
and professional development </p>
            <p class="lead">

```

```

        </p>
    </div>
    <div class="col-sm-3">
        </span>
    </div>
</div>

<div class="row" id="acads">

    <div class="col-sm-8">
        <h1 class="display-4">Academics</h1>
        <table id="score" class="table table-striped table-
bordered">

            <tr>
                <th>
                    Course Details
                </th>
                <th>
                    Institution
                </th>
                <th>
                    University/Board
                </th>
                <th>
                    Year of passing
                </th>
                <th>
                    CGPA
                </th>
            </tr>

            <tr>
                <td>
                    Bachelor of Technology
                    (Computer Science)
                </td>
                <td>
                    Keshav Memorial
                    Institute of Technology

```


	JNTUH	2021	7.32
	Intermediate-MPC		
	Narayana Junior College, TS		
	JNTUH	2017	93.9%
	School of Secondary Certificate		
	Vijaya Ratna Concept School		
	SSC		

```

        <td>
            2015
        </td>
        <td>
            9.5
        </td>
    </tr>
</table>

</div>

</div>

<div class="row" id="techskills">

    <div class="col-sm-8">
        <h1 class="display-4">TechSkills</h1>
        <h4> Programming Languages</h4>
        <ul>
            <li>C</li>
            <li>Java</li>
            <li>Python</li>
        </ul>
        <h4> Databases</h4>
        <ul>
            <li>MySQL</li>
        </ul>
        <h4>Web Technologies</h4>
        <ul>
            <li>HTML</li>
            <li>CSS</li>
            <li>BootStrap</li>
            <li>Node</li>
            <li>ReactJS</li>
            <li>PHP</li>
        </ul>

    </div>

</div>

```

```

<div class="row" id="projects">

    <h1 class="display-4"> Projects</h1>
</div>
<div class="row" id="mycards">
    <div class="col-sm-3">
        <div class="card">
            <div class="card-body">
                <h5 class="card-title">Project Title
1</h5>

                <p class="card-text"> Praesentium
expedita iste veniam non. Deserunt voluptatum quibusdam sunt!
Recusandae quod vel sequi, consequatur ipsum voluptatibus cum
reiciendis quia, </p>

                <a href="#" class="btn btn-
primary">Launch Git</a>
            </div>
        </div>
    </div>
    <div class="col-sm-3">
        <div class="card">
            <div class="card-body">
                <h5 class="card-title">Project Title
2</h5>

                <p class="card-text"> Lorem ipsum
dolor sit amet, consectetur adipisicing elit. Dolorum quod excepturi
dolores ad. Excepturi expedita incidunt mollitia architecto sit,</p>
                <a href="#" class="btn btn-
primary">Launch Project</a>
            </div>
        </div>
    </div>

    <div class="col-sm-3">
        <div class="card">
            <div class="card-body">
                <h5 class="card-title">Project Title
3</h5>

                <p class="card-text">Lorem ipsum
dolor sit amet consectetur adipisicing elit. Voluptatem nostrum

```

aliquid cupiditate totam. Quia unde adipisci voluptates, consectetur earum, </p>

```
<a href="#" class="btn btn-primary">Launch Bitbucket</a>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<div class="row" id="achieves">
```

```
<div class="col-sm-8">
```

```
<h1 class="display-4">Achievements</h1>
```

```
<ol class="mt-4 px-5">
```

```
<li> Certified in Neural Networks and Deep Learning by Coursera </li>
```

```
<li> Certified in Ethical Hacking course by NPTEL </li>
```

```
<li> Participated in Scratch Programming Event in KMIT</li>
```

```
<li> Participated in street cause </li>
```

```
</ol>
```

```
</p>
```

```
</div>
```

```
</div>
```

```
<div class="row" id="contact">
```

```
<div class="col-sm-8">
```

```
<h1 class="display-4">Contact Me</h1>
```

```
<div id="conform">
```

```
<form
```

```
action="mailto:janedoe@geemail.com" method="POST"
```

```

                                enctype="text/plain"
name="EmailForm">
                                <b> Name: </b> <br> <input
type="text" size="40" name="ContactName"> <br>
                                <b> Message: </b>    <br>
<textarea name="ContactComment" rows="6" cols="40"></textarea><br>
                                <input type="submit"
value="Submit">
                                </form>
                                </div>
                                </div>
                                </div>

<!-- Footer-->
<footer class="footer text-center">
    <div class="container">
        <div class="row">
            <!-- Footer Location-->
            <div class="col-lg-4 mb-5 mb-lg-0">
                <h5 class="mb-4">Location</h5>
                <p class="lead mb-0">
                    27 Jane Street, Jane Doe
                    <br />
                    TS 5000029
                </p>
            </div>
            <!-- Footer Social Icons-->
            <div class="col-lg-4 mb-5 mb-lg-0">
                <h5 class="mb-4">Around the Web</h5>
                <a class="btn btn-outline-light btn-social
mx-1" href="#"><i class="fab fa-fw fa-facebook-f"></i></a>
                <a class="btn btn-outline-light btn-social
mx-1" href="#"><i class="fab fa-fw fa-twitter"></i></a>
                <a class="btn btn-outline-light btn-social
mx-1" href="#"><i class="fab fa-fw fa-linkedin-in"></i></a>
            </div>
            <!-- Footer About Text-->
            <div class="col-lg-4">
                <h5 class="mb-4">About</h5>

```

```

        <p class="lead mb-0">
            This is a simple portfolio page of Jane
Doe.
        </p>
    </div>
</div>
</div>
</div>

</footer>


<!-- Copyright Section-->
<div class="copyright py-4 text-center text-white">
    <div class="container"><small>Copyright &copy; Jane
Doe 2023</small></div>
</div>


</div>

</body>
</html>

```

Mystyle.css

```
body{
    background-color: #fcf8e8;
}
.row{
    padding-top: 4rem;
}
.row-header{
    margin:0px auto;
    padding:0px;
}

.row-content {
    margin:0px auto;
    padding: 50px 0px 50px 0px;
    border-bottom: 1px ridge;
    min-height:400px;
```

```
}

.footer{
  background-color:#bd5d38;
  margin:0px auto;
  padding: 20px 0px 20px 0px;
  color: white;
}
.copyright{
  background-color:#9e3208
}
.address{
  font-size:80%;
  margin:0px;
  color:#0f0f0f;
}
body{
  padding:0px 0px 0px 0px;
  z-index:0;
}

#mynav{
  background-color: #bd5d38;
  color: white;
  z-index: 1;
}
.proimage{
border: 0.5rem solid #c8927f;
}

#achieves{
  margin-bottom: 18rem;
}
#acads{
  margin-bottom: 10rem;
}
#mycards{
  margin-bottom: 10rem;
}

#about{
  margin-bottom: 18rem;
```



```
}

#contact{
  margin-bottom: 5rem;
}

/* scroll */
html {
  scroll-behavior: smooth;
}
```

EXPECTED OUTPUT:

EXPERIMENT-5

5. Create Home, About Us, Products, Partners, Contact Us pages for a static e-commerce website using Bootstrap. Add a gallery page using Bootstrap grid model. Add Navbar, header and footer to all pages. Add a Login link (Modal).

Index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>Buy Best!</title>

  <!-- Bootstrap CSS -->

  <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/css/bootstra
p.min.css">
  <script
src="https://cdn.jsdelivr.net/npm/jquery@3.6.0/dist/jquery.slim.min.
js"></script>
  <script
src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.m
in.js"></script>
  <script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/js/bootstrap.
bundle.min.js"></script>
  <link href="css/mystyle.css" rel="stylesheet">
  <!-- Font Awesome icons (free version)-->
  <script
src="https://use.fontawesome.com/releases/v6.1.0/js/all.js"
crossorigin="anonymous"></script>

</head>
<body>
  <nav class="navbar navbar-dark navbar-expand-sm fixed-top"
style="background-color: darkblue;">
```

```

    <div class="container">
        <button class="navbar-toggler" type="button" data-
toggle="collapse" data-target="#Navbar">
            <span class="navbar-toggler-icon"> </span>
        </button>
        <a class="navbar-brand mr-auto" href="#"> <a
class="navbar-brand mr-auto" href="#">
            
        </a>
        <div class="collapse navbar-collapse" id="Navbar">
            <ul class="navbar-nav mr-auto">
                <li class="nav-item active"><a class="nav-link"
href="index.html"><span class="fa fa-home fa-lg"></span>
Home</a></li>
                <li class="nav-item"><a class="nav-link"
href="aboutus.html"><span class="fa fa-list fa-lg"></span>About
Us</a></li>
                <li class="nav-item"><a class="nav-link"
href="gallery.html"><span class="fa fa-info fa-lg"></span>
Products</a></li>
                <li class="nav-item"><a class="nav-link"
href="contactus.html"><span class="fa fa-address-card fa-lg"></span>
Contact Us</a></li>
            </ul>
        </div>
        <span class="navbar-text">
            <a data-toggle="modal" data-target="#loginModal">
                <span class="fa fa-sign-in"></span> Login</a>
        </span>
    </div>
</nav>

<!-- Modal content-->
<div class="modal fade" id="loginModal" tabindex="-1"
role="dialog" aria-labelledby="myModalLabel"
aria-hidden="true">
    <div class="modal-dialog" role="document">
        <div class="modal-content">
            <div class="modal-header text-center">
                <h4 class="modal-title w-100 font-weight-
bold">Login</h4>

```

```

        <button type="button" class="close" data-
dismiss="modal" aria-label="Close">
        <span aria-hidden="true">&times;</span>
        </button>
    </div>
    <div class="modal-body mx-1">
        <div class="md-form mb-1">
            <i class="fas fa-envelope prefix grey-
text"></i>
            <input type="email" id="defaultForm-email"
class="form-control validate">
            <label data-error="wrong" data-
success="right" for="defaultForm-email">Your email</label>
        </div>
        <div class="md-form mb-1">
            <i class="fas fa-lock prefix grey-text"></i>
            <input type="password" id="defaultForm-pass"
class="form-control validate">
            <label data-error="wrong" data-success="right"
for="defaultForm-pass">Your password</label>
        </div>
    </div>
    <div class="modal-footer d-flex justify-content-
center">
        <button class="btn btn-default">Login</button>
    </div>
</div>
</div>

<div class="text-center">
    <a href="" class="btn btn-default btn-rounded mb-1" data-
toggle="modal" data-target="#modalLoginForm">Launch
        Login Form
    </a>
</div>

</div>
</div>

<div class="container">
    <div class="row">

```

```

        <img src ="imgs/home3.jpg" width="100%" height="auto"/>
    </div>
</div>

<!-- Footer-->
<footer class="footer text-center">
    <div class="container">
        <div class="row">
            <!-- Footer Location-->
            <div class="col-lg-4 mb-5 mb-lg-0">
                <h5 class=" mb-4">Location</h5>
                <p class="lead mb-0">
                    27 Jane Street, John Doe
                    <br />
                    TS 5000027
                </p>
            </div>
            <!-- Footer Social Icons-->
            <div class="col-lg-4 mb-5 mb-lg-0">
                <h5 class=" mb-4">Around the Web</h5>
                <a class="btn btn-outline-light btn-social mx-1"
href="#"><i class="fab fa-fw fa-facebook-f"></i></a>
                <a class="btn btn-outline-light btn-social mx-1"
href="#"><i class="fab fa-fw fa-twitter"></i></a>
                <a class="btn btn-outline-light btn-social mx-1"
href="#"><i class="fab fa-fw fa-linkedin-in"></i></a>
            </div>
            <!-- Footer About Text-->
            <div class="col-lg-4">
                <h5 class="mb-4">About</h5>
                <p class="lead mb-0">
                    BuyBest
                </p>
            </div>
        </div>
    </div>
</footer>

<!-- Copyright Section-->

```

```

    <div class="copyright py-4 text-center text-white">
      <div class="container"><small>Copyright &copy; John Doe
2022</small></div>
    </div>
  </div>
</body>
</html>

```

Aboutus.html

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>Buy Best!</title>

  <!-- Bootstrap CSS -->

  <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/css/bootstra
p.min.css">
  <script
src="https://cdn.jsdelivr.net/npm/jquery@3.6.0/dist/jquery.slim.min.
js"></script>
  <script
src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.m
in.js"></script>
  <script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/js/bootstrap.
bundle.min.js"></script>
  <link href="css/mystyle.css" rel="stylesheet">
  <!-- Font Awesome icons (free version)-->
  <script
src="https://use.fontawesome.com/releases/v6.1.0/js/all.js"
crossorigin="anonymous"></script>

</head>
<body>

```

```

<nav class="navbar navbar-dark navbar-expand-sm fixed-top"
style="background-color: darkblue;">
    <div class="container">
        <button class="navbar-toggler" type="button" data-
toggle="collapse" data-target="#Navbar">
            <span class="navbar-toggler-icon"> </span>
        </button>
        <a class="navbar-brand mr-auto" href="#"> <a
class="navbar-brand mr-auto" href="#">
            
        </a>
        <div class="collapse navbar-collapse" id="Navbar">
            <ul class="navbar-nav mr-auto">
                <li class="nav-item "><a class="nav-link"
href="index.html"><span class="fa fa-home fa-lg"></span>
Home</a></li>
                <li class="nav-item active"><a class="nav-link"
href="aboutus.html"><span class="fa fa-list fa-lg"></span>About
Us</a></li>
                <li class="nav-item"><a class="nav-link"
href="gallery.html"><span class="fa fa-info fa-lg"></span>
Products</a></li>
                <li class="nav-item"><a class="nav-link"
href="contactus.html"><span class="fa fa-address-card fa-lg"></span>
Contact Us</a></li>
            </ul>
        </div>
    </div>
</nav>

<div class="container">

    <div class="row">
        <div class="col-12 col-sm-10 mt-4">
            <p>
                Welcome to BuyBest, your number one source for all
phones and
                gadgets.<br> <p> We are dedicated to giving you the
very best, with a focus on

```


dependability, customer service and uniqueness. Founded in 2019 , BuyBest has come a long way from its beginnings in a home office, toolshed, Hyderabad, TS. When Maithri R first started out, her passion was to help others by providing the best gadgets , this drove her to do intense research, quit her day job, and gave her the impetus to turn hard work and inspiration into a booming online store. We now serve customers all over Telangana, and are thrilled to be a part of the fair trade wing of the gadgets industry.

</p>
<p>
We hope you enjoy our products as much as we enjoy offering them to you.
If you have any questions or comments, please don't hesitate to contact us.

</p>
Sincerely,

Chaithra R,

CEO
</div>
</div>

```
<!-- Footer-->
<footer class="footer text-center">
  <div class="container">
    <div class="row">
      <!-- Footer Location-->
      <div class="col-lg-4 mb-5 mb-lg-0">
        <h5 class="mb-4">Location</h5>
        <p class="lead mb-0">
          27 Jane Street, John Doe
        <br />
      </div>
    </div>
  </div>
</footer>
```

```

TS 5000027
    </p>
  </div>
  <!-- Footer Social Icons-->
  <div class="col-lg-4 mb-5 mb-lg-0">
    <h5 class="mb-4">Around the Web</h5>
    <a class="btn btn-outline-light btn-social
mx-1" href="#"><i class="fab fa-fw fa-facebook-f"></i></a>
    <a class="btn btn-outline-light btn-social
mx-1" href="#"><i class="fab fa-fw fa-twitter"></i></a>
    <a class="btn btn-outline-light btn-social
mx-1" href="#"><i class="fab fa-fw fa-linkedin-in"></i></a>
  </div>
  <!-- Footer About Text-->
  <div class="col-lg-4">
    <h5 class="mb-4">About</h5>
    <p class="lead mb-0">
      Buy Best
    </p>
  </div>
</div>
</div>

</footer>

  <!-- Copyright Section-->
  <div class="copyright py-4 text-center text-white">
    <div class="container"><small>Copyright &copy; John
Doe 2022</small></div>
  </div>

</div>

</body>
</html>

```

Contactus.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>Buy Best!</title>

  <!-- Bootstrap CSS -->

  <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/css/bootstra
p.min.css">
  <script
src="https://cdn.jsdelivr.net/npm/jquery@3.6.0/dist/jquery.slim.min.
js"></script>
  <script
src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.m
in.js"></script>
  <script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/js/bootstrap.
bundle.min.js"></script>
  <link href="css/mystyle.css" rel="stylesheet">
  <!-- Font Awesome icons (free version)-->
  <script
src="https://use.fontawesome.com/releases/v6.1.0/js/all.js"
crossorigin="anonymous"></script>

</head>
<body>
  <nav class="navbar navbar-dark navbar-expand-sm fixed-top"
style="background-color: darkblue;">
    <div class="container">
      <button class="navbar-toggler" type="button" data-
toggle="collapse" data-target="#Navbar">
        <span class="navbar-toggler-icon"> </span>
      </button>
      <a class="navbar-brand mr-auto" href="#"> <a
class="navbar-brand mr-auto" href="#">
```

```

        
</a>
        <div class="collapse navbar-collapse" id="Navbar">
            <ul class="navbar-nav mr-auto">
                <li class="nav-item "><a class="nav-link"
href="index.html"><span class="fa fa-home fa-lg"></span>
Home</a></li>
                <li class="nav-item "><a class="nav-link"
href="aboutus.html"><span class="fa fa-list fa-lg"></span>About
Us</a></li>
                <li class="nav-item"><a class="nav-link"
href="gallery.html"><span class="fa fa-info fa-lg"></span>
Products</a></li>
                <li class="nav-item active" ><a class="nav-link"
href="contactus.html"><span class="fa fa-address-card fa-lg"></span>
Contact Us</a></li>
            </ul>
        </div>
    </div>
</nav>
<div class="container">

    <div class="row">
        <div class="col-12 col-sm-10 mt-4">
            <div class="col-sm-8">
                <h3 class="display-4">Contact Us</h3>
                <div id="conform">
                    <form action="mailto:janedoe@geemail.com"
method="POST"
                    enctype="text/plain" name="EmailForm">
                        Name:<br> <input type="text" size="40"
name="ContactName"> <br>
                        Message: <br> <textarea
name="ContactComment" rows="6" cols="40"></textarea><br>
                            <input type="submit" value="Submit">
                        </form>
                    </div>
                </div>
            </div>
        </div>
    </div>
</div>

```

```

</div>

<!-- Footer-->
<footer class="footer text-center">
  <div class="container">
    <div class="row">
      <!-- Footer Location-->
      <div class="col-lg-4 mb-5 mb-lg-0">
        <h5 class="mb-4">Location</h5>
        <p class="lead mb-0">
          27 Jane Street, John Doe
          <br />
          TS 5000027
        </p>
      </div>
      <!-- Footer Social Icons-->
      <div class="col-lg-4 mb-5 mb-lg-0">
        <h5 class="mb-4">Around the Web</h5>
        <a class="btn btn-outline-light btn-social
mx-1" href="#"><i class="fab fa-fw fa-facebook-f"></i></a>
        <a class="btn btn-outline-light btn-social
mx-1" href="#"><i class="fab fa-fw fa-twitter"></i></a>
        <a class="btn btn-outline-light btn-social
mx-1" href="#"><i class="fab fa-fw fa-linkedin-in"></i></a>
      </div>
      <!-- Footer About Text-->
      <div class="col-lg-4">
        <h5 class="mb-4">About</h5>
        <p class="lead mb-0">
          Buy Best
        </p>
      </div>
    </div>
  </div>

</footer>

<!-- Copyright Section-->
<div class="copyright py-4 text-center text-white">

```

```

                <div class="container"><small>Copyright &copy; John
Doe 2022</small></div>
            </div>
        </div>

</body>
</html>

```

Gallery.html

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-
scale=1.0">
    <title>Buy Best!</title>

    <!-- Bootstrap CSS -->

    <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/css/bootstra
p.min.css">
    <script
src="https://cdn.jsdelivr.net/npm/jquery@3.6.0/dist/jquery.slim.min.
js"></script>
    <script
src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.m
in.js"></script>
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/js/bootstrap.
bundle.min.js"></script>
    <link href="css/mystyle.css" rel="stylesheet">
    <!-- Font Awesome icons (free version)-->
    <script
src="https://use.fontawesome.com/releases/v6.1.0/js/all.js"
crossorigin="anonymous"></script>

</head>
<body>

```

```

<nav class="navbar navbar-dark navbar-expand-sm fixed-top"
style="background-color: darkblue;">
    <div class="container">
        <button class="navbar-toggler" type="button" data-
toggle="collapse" data-target="#Navbar">
            <span class="navbar-toggler-icon"> </span>
        </button>
        <a class="navbar-brand mr-auto" href="#"> <a
class="navbar-brand mr-auto" href="#">
            
</a>
        <div class="collapse navbar-collapse" id="Navbar">
            <ul class="navbar-nav mr-auto">
                <li class="nav-item "><a class="nav-link"
href="index.html"><span class="fa fa-home fa-lg"></span>
Home</a></li>
                <li class="nav-item"><a class="nav-link"
href="aboutus.html"><span class="fa fa-list fa-lg"></span>About
Us</a></li>
                <li class="nav-item"><a class="nav-link active"
href="gallery.html"><span class="fa fa-info fa-lg"></span>
Products</a></li>
                <li class="nav-item"><a class="nav-link"
href="contactus.html"><span class="fa fa-address-card fa-lg"></span>
Contact Us</a></li>
            </ul>
        </div>
    </div>
</nav>

<div class="container">

    <div class="row">
        <div class="col-12 col-sm-3">
            <div class="media">
                

```

```

        </div>
    </div>
    <div class="col-12 col-sm-3">
        <div class="media">
            

        </div>
    </div>
    <div class="col-12 col-sm-3">
        <div class="media">
            

        </div>
    </div>
    <div class="col-12 col-sm-3">
        <div class="media">
            

        </div>
    </div>
</div>

<div class="row">
    <div class="col-12 col-sm-3">
        <div class="media">
            

        </div>
    </div>
    <div class="col-12 col-sm-3">
        <div class="media">
            <img class="d-flex mr-3 img-thumbnail align-
self-center"

```



```

src="imgs/6.jpg" alt="sider">

    </div>
</div>
<div class="col-12 col-sm-3">
    <div class="media">
        

    </div>
</div>
<div class="col-12 col-sm-3">
    <div class="media">
        

    </div>
</div>
</div>

<div class="row">
    <div class="col-12 col-sm-3">
        <div class="media">
            

        </div>
    </div>
    <div class="col-12 col-sm-3">
        <div class="media">
            

        </div>
    </div>
    <div class="col-12 col-sm-3">
        <div class="media">

```

```

    </div>
</div>
<div class="col-12 col-sm-3">
    <div class="media">
        

    </div>
</div>
</div>

<!-- Footer-->
<footer class="footer text-center">
    <div class="container">
        <div class="row">
            <!-- Footer Location-->
            <div class="col-lg-4 mb-5 mb-lg-0">
                <h5 class="mb-4">Location</h5>
                <p class="lead mb-0">
                    27 Jane Street, John Doe
                <br />
                    TS 5000027
                </p>
            </div>
            <!-- Footer Social Icons-->
            <div class="col-lg-4 mb-5 mb-lg-0">
                <h5 class="mb-4">Around the Web</h5>
                <a class="btn btn-outline-light btn-social
mx-1" href="#"><i class="fab fa-fw fa-facebook-f"></i></a>
                <a class="btn btn-outline-light btn-social
mx-1" href="#"><i class="fab fa-fw fa-twitter"></i></a>
                <a class="btn btn-outline-light btn-social
mx-1" href="#"><i class="fab fa-fw fa-linkedin-in"></i></a>
            </div>
            <!-- Footer About Text-->

```

```

        <div class="col-lg-4">
            <h5 class="mb-4">About</h5>
            <p class="lead mb-0">
                Buy Best
            </p>
        </div>
    </div>
</div>

</footer>

<!-- Copyright Section-->
<div class="copyright py-4 text-center text-white">
    <div class="container"><small>Copyright &copy; John
Doe 2022</small></div>
</div>

</div>

</body>
</html>

```

Mystyle.css

```

body{
    background-color: #fcf8e8;
    font-family:sans-serif;
}
.row{
    padding-top: 4rem;
}
.row-header{
    margin:0px auto;
    padding:0px;
}

.row-content {
    margin:0px auto;
    padding: 50px 0px 50px 0px;
    border-bottom: 1px ridge;
}

```

```
    min-height:400px;
}

.footer{
    background-color:darkblue;
    margin:0px auto;
    padding: 20px 0px 20px 0px;
    color: white;
}
.copyright{
    background-color:darkblue
}
.address{
    font-size:80%;
    margin:0px;
    color:#0f0f0f;
}
body{
    padding:0px 0px 0px 0px;
}

#mynav{
    background-color: #bd5d38;
    color: white;
    z-index: 1;
}
.proimage{
border: 0.5rem solid #c8927f;
}

#achieves{
    margin-bottom: 18rem;
}
#acads{
    margin-bottom: 10rem;
}
#mycards{
    margin-bottom: 10rem;
}

#about{
    margin-bottom: 18rem;
```

```
}

#contact{
  margin-bottom: 5rem;
}

/* scroll */
html {
  scroll-behavior: smooth;
}
```

EXPECTED OUTPUT:

EXPERIMENT-6

6. Add a weather component to the home page of the above website, using ReactJS.

Lab6.js

```
import React, { useState, useEffect } from 'react';
import axios from 'axios';
const Lab6 = () => {
  const [weather, setWeather] = useState(null);
  const [loading, setLoading] = useState(true);
  const [error, setError] = useState(null);
  const city = "Hyderabad"; //Replace with any city name
  const apiKey = '61a1d8419f9d307924240958d89e284d'; // Replace with
your actual OpenWeatherMap API key
  useEffect(() => {
    const fetchWeather = async () => {
      try {
        const response = await axios.get(
`https://api.openweathermap.org/data/2.5/weather?q=${city}&appid=${a
piKey}`
        );
        setWeather(response.data);
        setLoading(false);
      } catch (err) {
        setError(err);
        setLoading(false);
      }
    };
    fetchWeather();
  }, []);
  if (loading) return <p>Loading weather...</p>;
  if (error) return <p>Error fetching weather: {error.message}</p>;
  return (
    <div>
      <h2>Weather in {weather.name}</h2>
      <p>Temperature: {(weather.main.temp - 273.15).toFixed(2)}°C</p>
      <p>Condition: {weather.weather[0].description}</p>
    </div>
  );
};
```

```
export default Lab6;
```

app.js

```
import logo from './logo.svg';
import './App.css';
import Lab6 from './Lab6';

function App() {
  return (
    <div className="App">
      <Lab6/>

    </div>
  );
}

export default App;
```

EXPECTED OUTPUT:

EXPERIMENT-7

7. Update the 'contact us' page to a ReactJS component. An email should be sent each time contact us form is submitted

EmailForm.js

```
import React, { useState } from 'react';
import './EmailForm.css'; // Make sure to import the CSS file
const formConfig = [
  { id: 1, type: "text", name: "firstName", placeholder: "First Name" },
  { id: 2, type: "text", name: "lastName", placeholder: "Last Name" },
  { id: 3, type: "email", name: "email", placeholder: "Email" },
  { id: 4, type: "textarea", name: "message", placeholder: "Message" },
];
// Custom Dynamic Input Component
function InputField({ type, name, placeholder, value, onChange }) {
  if (type === "textarea") {
    return (
      <textarea
        className="form-textarea"
        name={name}
        placeholder={placeholder}
        value={value}
        onChange={onChange}
        required
      />
    );
  }
  return (
    <input
      className="form-input"
      type={type}
      name={name}
      placeholder={placeholder}
      value={value}
      onChange={onChange}
      required
    />
  );
}
```



```

const EmailForm = () => {
  const [formData, setFormData] = useState({
    firstName: '',
    lastName: '',
    email: '',
    message: ''
  });
  const handleChange = (e) => {
    const { name, value } = e.target;
    setFormData((prevData) => ({
      ...prevData,
      [name]: value
    }));
  };
  const handleSubmit = (e) => {
    e.preventDefault();
    // Print form data to console
    console.log('Form Data:', formData);
    // Clear the form fields
    setFormData({
      firstName: '',
      lastName: '',
      email: '',
      message: ''
    });
    // Alert the user
    alert('Form submitted successfully!');
  };
  return (
    <div className="form-container">
      <form className="email-form" onSubmit={handleSubmit}>
        {formConfig.map((field) => (
          <div className="form-field" key={field.id}>
            <label className="form-label">
              {field.placeholder}:
            <InputField
              type={field.type}
              name={field.name}
              placeholder={field.placeholder}
              value={formData[field.name]}
              onChange={handleChange}
            />
          </div>
        ))}
      </form>
    </div>
  );
};

```

```

</label>
</div>
))}
<button className="form-button" type="submit">Send</button>
</form>
</div>
);
};
export default EmailForm;

```

EmailForm.css

```

.form-container {
max-width: 600px;
margin: 0 auto;
padding: 20px;
background-color: #f9f9f9;
border: 1px solid #ddd;
border-radius: 8px;
box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
}
.email-form {
display: flex;
flex-direction: column;
}
.form-field {
margin-bottom: 15px;
}
.form-label {
font-weight: bold;
margin-bottom: 5px;
display: block;
}
.form-input,
.form-textarea {
width: 100%;
padding: 10px;
border: 1px solid #ccc;
border-radius: 4px;
box-sizing: border-box;
font-size: 16px;
}

```

```
}  
.form-input:focus,  
.form-textarea:focus {  
border-color: #007BFF;  
outline: none;  
}  
.form-textarea {  
resize: vertical;  
height: 100px;  
}  
.form-button {  
padding: 10px 20px;  
background-color: #007BFF;  
color: white;  
border: none;  
border-radius: 4px;  
cursor: pointer;  
font-size: 16px;  
}  
.form-button:hover {  
background-color: #0056b3;  
}
```

App.js

```
import React from 'react';  
import EmailForm from './components/EmailForm';  
const App = () => {  
  return (  
    <div>  
      <EmailForm/>  
    </div>  
  );  
};  
export default App;
```

EXPECTED OUTPUT:

EXPERIMENT-8

8. Add a Login component using ReactJS. User should be able to login, using pre-defined logins. Session should be maintained using react hooks.

Usesession.js

```
import { useState, useEffect, useCallback, useRef } from 'react';

// Custom hook for session management
const useSession = (timeout = 60000) => { // Default timeout is set
  to 1 minutes
  const [session, setSession] = useState(() => {
    const storedSession = localStorage.getItem('session');
    return storedSession ? JSON.parse(storedSession) : null;
  });

  const timeoutRef = useRef();

  const clearSession = useCallback(() => {
    setSession(null);
    localStorage.removeItem('session');
  }, []);

  const resetTimeout = useCallback(() => {
    if (timeoutRef.current) {
      clearTimeout(timeoutRef.current);
    }
    timeoutRef.current = setTimeout(clearSession, timeout);
  }, [clearSession, timeout]);

  const saveSession = (sessionData) => {
    setSession(sessionData);
    localStorage.setItem('session', JSON.stringify(sessionData));
    resetTimeout();
  };

  useEffect(() => {
    if (session) {
      resetTimeout();
    }
  });
}
```

```

    return () => {
      if (timeoutRef.current) {
        clearTimeout(timeoutRef.current);
      }
    };
  }, [session, resetTimeout]);

  return { session, saveSession, clearSession };
};

export default useSession;

```

App.js

```

import React from 'react';
import useSession from './useSession';

const App = () => {
  const { session, saveSession, clearSession } = useSession(60000);
  // 1 minute timeout

  const handleLogin = () => {
    // Simulate a login and save session data
    const sessionData = { user: 'John Doe', token: 'abc123' };
    saveSession(sessionData);
  };

  const handleLogout = () => {
    // Clear session data on logout
    clearSession();
  };

  return (
    <div>
      <h1>Session Management in React</h1>
      {session ? (
        <div>
          <p>Welcome, {session.user}!</p>
          <button onClick={handleLogout}>Logout</button>
        </div>
      ) : (

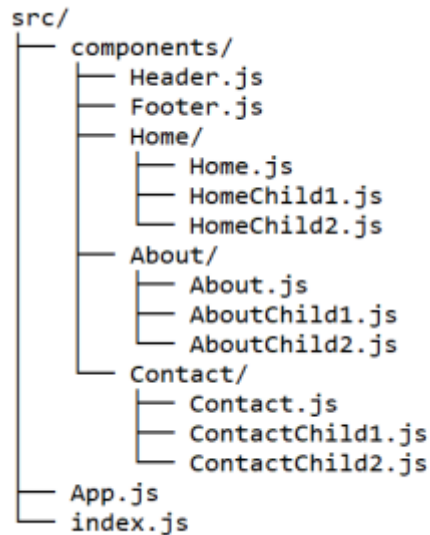
```

```
    ) : (  
      <div>  
        <p>Please log in.</p>  
        <button onClick={handleLogin}>Login</button>  
      </div>  
    )}  
  </div>  
);  
};  
  
export default App;
```

EXPECTED OUTPUT:

9. Each page in the site should be a React JS component and the elements in each page should be child components

Folder structure:



Header.js

```
import React from 'react';  
const Header = () => {  
  return (  
    <header>  
      <h1>My Website</h1>  
      <nav>  
        <a href="/">Home</a>  
        <a href="/about">About</a>  
        <a href="/contact">Contact</a>  
      </nav>  
    </header>  
  );  
};  
export default Header;
```

Footer.js

```
import React from 'react';  
const Footer = () => {  
  return <footer>© 2024 My Website</footer>;  
};  
export default Footer;
```


comp/Home.js

```

import React from 'react';
import HomeChild1 from './HomeChild1';
import HomeChild2 from './HomeChild2';
const Home = () => {
  return (
    <div>
      <h2>Home Page</h2>
      <HomeChild1 />
      <HomeChild2 />
    </div>
  );
};
export default Home;
Home/HomeChild1.js
import React from 'react';
const HomeChild1 = () => {
  return <div>Home Child 1 Content</div>;
};
export default HomeChild1;
Home/HomeChild2.js
import React from 'react';
const HomeChild2 = () => {
  return <div>Home Child 2 Content</div>;
};
export default HomeChild2;

```

About/About.js

```

import React from 'react';
import AboutChild1 from './AboutChild1';
import AboutChild2 from './AboutChild2';
const About = () => {
  return (
    <div>
      <h2>About Page</h2>
      <AboutChild1 /> <AboutChild2 /> </div>
    );
};

```

```
export default About;
```

About/Aboutchild1.js

```
import React from 'react';
const AboutChild1 = () => {
  return <div>About Child 1 Content</div>;
};
export default AboutChild1;
About/Aboutchild2.js
import React from 'react';
const AboutChild2 = () => {
  return <div>About Child 2 Content</div>;
};
export default AboutChild2;
```

Apps.js

```
import React from 'react';
import Home from './components/Home/Home';
const App = () => {
  return (
    <div>
      <Home/>
    </div>
  );
};
export default App;
```

EXPECTED OUTPUT:

Experiment – 10

10 React Routing should be used to take care of routing from browser location bar and also from Navbar

App.js

```
import React from 'react';
import { BrowserRouter as Router, Route, Routes } from 'react-router-dom';
import Home from './components/Home';
import About from './components/About';
import Contact from './components/Contact';
import Navbar from './components/Navbar';
function App() {
  return (
    <Router>
    <div>
    <Navbar />
    <Routes>
    <Route path="/" element={<Home />} />
    <Route path="/about" element={<About />} />
    <Route path="/contact" element={<Contact />} />
    </Routes>
    </div>
    </Router>
  );
}
export default App;
```

Home.js

```
import React from 'react';
const Home = () => {
  return (
    <div>
    <h1>Home Page</h1>
    <p>Welcome to the Home page!</p>
    </div>
  );
}
export default Home;
```

About.js

```
import React from 'react';
const About = () => {
  return (
    <div>
      <h1>About Page</h1>
      <p>Welcome to the About page!</p>
    </div>
  );
}
export default About;
```

Contact.js

```
import React from 'react';
const Contact = () => {
  return (
    <div>
      <h1>Contact Page</h1>
      <p>Welcome to the Contact page!</p>
    </div>
  );
}
export default Contact;
```

EXPECTED OUTPUT

