

```
EXPERIMENT 1:
<!DOCTYPE html>
<html>
<head><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
skills
<h3> Academic Information </h3>
<table border="3"><tr>
<th>Course Details</th>
<th>Institution</th>
<th>CGPA</th>
</tr><tr>
<th>Bachelor of Technology(Computer
Science)</th>
<th>Keshav Memorial Institute of Technology</th>
<th>7.32</th>
</tr><tr>
<th>Intermediate-MPC</th>
<th>Narayana Junior College, TS</th>
<th>93.9%</th>
</tr><tr>
<th>School of Secondary Certificate</th>
<th>Vijaya Ratna Concept School</th>
<th>9.5</th></tr>
</table>
<h3> Technical skills </h3>
<h4> Programming Languages</h4>
<ul><li>C</li><li>Java</li><li>py3</li></ul>
<h4> Databases</h4>
<ul><li>MySQL</li></ul>
<h4>Web Technologies</h4>
<ul><li>HTML</li><li>CSS</li><li>ReactJS</li><li>
i>BootStrap</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.</p></li><li>
<b> Project Title 2</b><br>
<b> Technical Stack:</b> MEAN <br> Lorem ipsum
dolor, sit amet consectetur adipisicing
elit.</p></li></ol>
<h3> Achievements </h3>
<ol><li> Certified in DL by Coursera </li>
<li> Certified in Hacking course by NPTEL
</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>
```

```
EXPERIMENT 2:
<!DOCTYPE html>
<html>
<head><title>Profile Page</title></head>
<style>
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;
} 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;
} </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

Academic Information

Course Details

Institution

University/Board

Year of passing

CGPA

Bachelor of Technology(Computer Science)
--

Keshav Memorial Institute of Technology

JNTUH

2021

7.32

Intermediate-MPC

Narayana Junior College, TS

JNTUH

2017

93.9%

Technical skills

Programming Languages

- C
- Java

- Python

Databases

- MySQL

Web Technologies

- HTML

- CSS

- ReactJS

- BootStrap

Projects

Project Title 1

Technical Stack: MERN **Lorem ipsum dolor, sit amet consectetur**

Project Title 2

Technical Stack: MEAN **Lorem ipsum dolor, sit amet consectetur**

Project Title 3

Technical Stack: LAMP **Lorem ipsum dolor, sit amet consectetur**

- Certified in Neural Networks and Deep Learning by Coursera

- Certified in Ethical Hacking course by NPTEL

- Participated in Scratch Programming Event in KMIT

- Participated in street cause

Strengths

- Positive attitude

- Self-motivated, focused and dedicated

Personal profile

Current Location

:Hyderabad

Date of Birth

:00-00-2000

Languages known

:English, Telugu, Hindi

Contact me

form action="mailto:janedoe@geemail.com" method="POST" enctype="text/plain" name="EmailForm">

Name:

Message:

textarea name="ContactComment" rows="6" cols="40"/>

EXPERIMENT 3:

<!-- Css file -->

```
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%;
}
<!-- Html file - -->
<!DOCTYPE html>
<html lang="en">
<head>
<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> Career Objective</h3>
Seeking a responsible career opportunity in the field
of Computer Science where I can utilize my logical
skills
<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><tr>
<td>Intermediate-MPC</td>
<td>Narayana Junior College, TS</td>
<td>JNTUH</td>
<td>2017</td>
<td>93.9%</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>

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<li>BootStrap</li>
<li>ReactJS</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.</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.</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.</p></div></div>
<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 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>

```

```

EXPERIMENT 4:
<!-- img folder should have profile.jpg -->
<!-- Index.html -->
<!DOCTYPE html>
<html lang="en">

```

```

<head>
<title>Jane Doe</title>
<!-- Bootstrap CSS -->
<link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/css/bootstrap.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.min.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">
<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 </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 </td>
<td>JNTUH</td>
<td>2021</td>
<td>7.32</td></tr><tr>
<td>Intermediate-MPC </td>
<td>Narayana Junior College, TS</td>
<td>JNTUH</td>
<td>2017</td>
<td>93.9%</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>ReactJS</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 </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,
</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</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 class="footer text-center">
<div class="container">
<div class="row">
<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 5000027</p>
</div>
<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>
<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></footer>
</div>
</body>
</html>
<!-- mystyle.css -->
body{
background-color: #fcf8e8;
} .footer{
background-color:#bd5d38;
margin:0px auto;
padding: 20px 0px 20px 0px;
color: white;
} .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;
} #acads{
margin-bottom: 10rem;
} #contact{
margin-bottom: 5rem;
}

EXPERIMENT 5:
<!-- 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>
<link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/di
st/css/bootstrap.min.css">
<script
src="https://cdn.jsdelivr.net/npm/jquery@3.6.0/dist/j
query.slim.min.js"></script>
<link href="css/mystyle.css" rel="stylesheet">

```

```
<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="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>
<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" arialabel="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="defaultFormemail">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="defaultFormpass">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>
<div class="text-center">
<a href="" class="btn btn-default btn-rounded mb-1"
data-toggle="modal"
datatarget="#modalLoginForm">Launch Login
Form</a></div></div></div>
<div class="container"><div class="row">
</div></div>
<footer class="footer text-center">
<div class="container">
<div class="row">
<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>
<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>
<div class="col-lg-4">
<h5 class="mb-4">About</h5>
<p class="lead mb-0">BuyBest</p>
</div></div></div></div>
<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>
<link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/di
st/css/bootstrap.min.css">
<script
src="https://cdn.jsdelivr.net/npm/jquery@3.6.0/dist/j
query.slim.min.js"></script>
```

```

<link href="css/mystyle.css" rel="stylesheet">
<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" datatarget="#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="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>
<footer class="footer text-center">
<div class="container">
<div class="row">
<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>
<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></div></div></footer></body></html>

```

```

mystyle.css:
body {
background-color: #fcf8e8;
font-family:sans-serif;
} .row {
padding-top: 4rem;
} .row-header {
margin:0px auto;
padding:0px;
} .address {
font-size:80%;
margin:0px;
color:#0f0f0f;
} body {
padding:0px 0px 0px 0px;
} #acads {
margin-bottom: 10rem;
} #mycards {
margin-bottom: 10rem;
} #about {
margin-bottom: 18rem;
} #contact {
margin-bottom: 5rem;
} html {
scroll-behavior: smooth;
}

```

EXPERIMENT 6:

```

App.js:
import { useState } from 'react';
import 'bootstrap/dist/css/bootstrap.min.css';
function App() {
  const [count, setCount] = useState(0);
  const [isEvening, setEvening] = useState(true);
  return (
    <div className={`box ${isEvening ? 'dayLight' :
    ''}`>
      <h1>{isEvening ? 'Evening' : 'Morning'}</h1>
      <button onClick={() =>
setEvening(!isEvening)}>Update</button>
      <h1>Counter value = {count}</h1>
      <button onClick={() => setCount(count +
1)}>Increase Counter</button>
      <button onClick={() => setCount(count -
1)}>Decrease Counter</button>
    </div>
  );
}
export default App;

```

EXPERIMENT 7:

```

index.html:
<!DOCTYPE html>
<html>
<head>
<title>Experiment 7 - Academic Records</title>
<link rel="stylesheet" href="style.css">
<script src="script.js"></script>
</head>
<body>
<form id="academicForm">
<label for="name">Name:</label>
<input type="text" id="name"><br><br>
<label for="subject">Subject:</label>
<input type="text" id="subject"><br><br>
<label for="grade">Grade:</label>
<input type="text" id="grade"><br><br>
<button type="button" onclick="addRecord()">Add
Record</button>
</form>
<table id="academicTable">
<thead><tr>
<th>Name</th>
<th>Subject</th>
<th>Grade</th>
</tr></thead><tbody>
</tbody></table>
</body></html>

```

```

Script.js:
function addRecord() {
  var name =
document.getElementById('name').value;
  var subject =
document.getElementById('subject').value;
  var grade =
document.getElementById('grade').value;
  var table =
document.getElementById('academicTable').getElem
entsByTagName('tbody')[0];
  var newRow = table.insertRow(table.rows.length);
  var nameCell = newRow.insertCell(0);
  var subjectCell = newRow.insertCell(1);
  var gradeCell = newRow.insertCell(2);
  nameCell.innerHTML = name;
  subjectCell.innerHTML = subject;
  gradeCell.innerHTML = grade;
  document.getElementById('name').value = "";
  document.getElementById('subject').value = "";
  document.getElementById('grade').value = "";
}

```

EXPERIMENT 8:

```

import React, { useMemo, useState } from 'react';
function sum(a, b) {
  console.log('Calculating sum...');
  return a + b}

```

```

function CalculateSum({ a, b }) {
  const result = useMemo(() => {
    return sum(a, b)}, [a, b]);
  return <div>{result}</div>}
function App() {
  const [num1, setNum1] = useState(0);
  const [num2, setNum2] = useState(0);
  function handleNum1Change(event) {
    setNum1(Number(event.target.value));}
  function handleNum2Change(event) {
    setNum2(Number(event.target.value));}
  return (<div><label>
Number 1 : <br></br>
<input type="number" value={num1}
onChange={handleNum1Change} />
</label><br></br><label>
Number 2 : <br></br>
<input type="number" value={num2}
onChange={handleNum2Change} />
</label><br></br>Sum:<CalculateSum a={num1}
b={num2} /> </div>)}
export default App;

```

EXPERIMENT 9:

```

src/App.js:
import React from 'react';
import { BrowserRouter, Routes, Route } from
"react-router-dom";
import './App.css';
import Home from './components/home.js';
import Contact from './components/ContactUs.js';
import About from './components/AboutUs.js';
function App() {
  return (<><BrowserRouter><Routes>
<Route path="/" element={<Home />} />
<Route path="/contact" element={<Contact />} />
<Route path="/about" element={<About />} />
</Routes></BrowserRouter></>)}
export default App;

src/components/AboutUs.js:
import React from 'react';
import 'bootstrap/dist/css/bootstrap.min.css';
import { Link } from 'react-router-dom';
const AboutUs = () => {
  return (<div><>
<nav className="navbar">
<ul className="navbar-nav">
<li className="nav-item">
<Link to="/" className="nav-link">Home</Link>
</li><li className="nav-item">
<Link to="/About" className="nav-
link">About</Link>
</li><li className="nav-item">
<Link to="/Contact" className="nav-
link">Contact</Link></li></ul>

```



```
src/components/PageNotFound.js:
import React from 'react';
const PageNotFound = () => {
  return (<div><h1>Page Not Found</h1>
    <p>The page you are looking for does not exist.</p>
    </div>)}
export default PageNotFound;
```

```

EXPERIMENT 10:
import React, { useEffect, useState } from 'react';
import 'bootstrap/dist/css/bootstrap.min.css';
const UserTableExample = () => {
  const [users, setUsers] = useState([]);
  useEffect(() => {
    const fetchUsers = async () => {
      try { const response = await
        fetch('https://jsonplaceholder.typicode.com/users');
        const userData = await response.json();
        setUsers(userData);
      } catch (error) {
        console.log('Error fetching users:', error)} }
    fetchUsers(), []);
  return (<div><h1>User List</h1>
    <table class="table" style={{ border: '2px solid
      green', borderSpacing: '10px', backgroundColor:
      'grey' }}><thead><tr><th>Name</th>
      <th>Email</th><th>Phone</th>
      <th>Website</th></tr></thead>
      <tbody>{users.map(user => (
        <tr key={user.id}><td>{user.name}</td>
        <td>{user.email}</td><td>{user.phone}</td>
        <td>{user.website}</td></tr>)))}
      </tbody></table></div>)}
  export default UserTableExample;

```