

CODE:-

File Name: - index.html

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8" />
    <title>Capture</title>
    <link href="https://fonts.googleapis.com/css?family=Monsterrat|Ubuntu" rel="stylesheet">
    <!-- Google Fonts -->
    <link rel="preconnect" href="https://fonts.googleapis.com">
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
    <link href="https://fonts.googleapis.com/css2?family=Montserrat:wght@900&display=swap" rel="stylesheet">
    <!-- CSS Stylesheets -->
    <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css">
    <link rel="stylesheet" href="index.css" />

    <!-- Font Awesome Styles -->
    <script defer src="https://kit.fontawesome.com/5251786828.js" crossorigin="anonymous"></script>

    <!-- Bootstrap Scripts -->
    <script
src="https://code.jquery.com/jquery-3.2.1.slim.min.js"
  integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCKRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN"
crossorigin="anonymous"
></script>
    <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js"
  integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"
crossorigin="anonymous"
></script>
    <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"
  integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYI"
crossorigin="anonymous"
></script>
  </head>
  <body>
    <section class="colored-section" id="title">
      <div class="container-fluid">

        <!-- Nav Bar -->
        <nav class="navbar navbar-expand-lg navbar-dark">
          <a class="navbar-brand" href="">capture</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>
        </nav>
      </div>
    </section>
  </body>
</html>
```

```

<div class="collapse navbar-collapse" id="navbarSupportedContent">
  <ul class="navbar-nav ml-auto">
    <li class="nav-item">
      <a class="nav-link" href="#footer">Contact</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="#pricing">Pricing</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="#cta">Download</a>
    </li>
  </ul>
</div>
</nav>

<!-- Title -->
<div class="row">
  <div class="col-lg-6">
    <h1 class="big-heading">Capture what can't be captured.</h1>
    <h4>With our photo capturing app.</h4>
    <button type="button" class="btn btn-outline-dark btn-lg download-button"><i class="fab fa-apple"></i>
Download</button>
    <button type="button" class="btn btn-outline-light btn-lg download-button"><i class="fab fa-google-
play"></i> Download</button>
  </div>
  <div class="col-lg-6">
    
  </div>
</div>
</div>
</section>

<!-- Features -->
<section class="white-section" id="features">
  <div class="row">
    <div class="feature-box col-lg-4">
      <i class="icon fas fa-check-circle fa-4x"></i>
      <h3>Easy to use.</h3>
      <p>Easy to operate and click dynamic views</p>
    </div>
    <div class="feature-box col-lg-4">
      <i class="icon fas fa-bullseye fa-4x"></i>
      <h3>Elite Clientele</h3>
      <p>Upload your photography and earn likes!</p>
    </div>
    <div class="feature-box col-lg-4">
      <i class="icon fas fa-heart fa-4x"></i>
      <h3>Guaranteed to work.</h3>
      <p>Bugs free and effective image capturing.</p>
    </div>
  </div>
</section>

<!-- Testimonials -->

<section class="colored-section" id="testimonials">
  <div id="testimonial-carousel" class="carousel slide" data-ride="false">
    <div class="carousel-inner" >

```

```

<div class="carousel-item active">
  <h2>Great app.The quality of capturing scenic beauty with this app is remarkable.</h2>
  
  <em>Pebbles, New York</em>
</div>
<div class="carousel-item" >
  <h2 class="testimonial-text">Posting my work gained me tons of likes and followers!</h2>
  
  <em>Beverly, Illinois</em>
</div>
</div>
<a class="carousel-control-prev" href="#testimonial-carousel" role="button" data-slide="prev">
  <span class="carousel-control-prev-icon"></span>
</a>
<a class="carousel-control-next" href="#testimonial-carousel" role="button" data-slide="next">
  <span class="carousel-control-next-icon"></span>
</a>
</div>
</section>

```

```

<!-- Press -->

```

```

<section class="colored-section" id="press">
  
  
  
  
</section>

```

```

<!-- Pricing -->

```

```

<section class="white-section" id="pricing">
  <h2>Our plans include a range of options for you to choose.</h2>
  <p>Simple and affordable price plans for you.</p>

```

```

<div class="row">
  <div class=" pricing-column col-lg-4 col-md-6">
    <div class="card">
      <div class=" card-header">
        <h3>Free Version</h3>
      </div>
      <div class="card-body">
        <h2>Free</h2>
        <p>Unlimited captures</p>
        <p>Limited cloud storage</p>
        <p>No posting services</p>
        <button class="btn btn-lg btn-block btn-outline-dark" type="button">Sign Up</button>
      </div>
    </div>
  </div>
</div>

```

```

<div class="pricing-column col-lg-4 col-md-6">
  <div class="card">
    <div class=" card-header">
      <h3>Monthly Plan</h3>
    </div>
    <div class="card-body">
      <h2>$49 / mo</h2>

```

```

    <p>Unlimited captures</p>
    <p>Unlimited cloud storage</p>
    <p>Limited Posting services</p>
    <button class="btn btn-lg btn-block btn-dark" type="button">Sign Up</button>
  </div>
</div>
<div class="pricing-column col-lg-4 col-md-12">
  <div class="card">
    <div class=" card-header">
      <h3>Annual Plan</h3>
    </div>
    <div class="card-body">
      <h2>$299 / yr</h2>
      <p>Unlimited captures</p>
      <p>Unlimited cloud storage</p>
      <p>Unlimited Posting services</p>
      <button class="btn btn-lg btn-block btn-dark" type="button">Sign Up</button>
    </div>
  </div>
</div>
</div>
</div>
</section>

<!-- Call to Action -->
<div class="container"></div>
<div class=" bottom row">
  <div class="col">
    <section class=" colored-section" id="cta">
      <h3 class="text-bottom">Get your app right away and 'Capture' the world!</h3>
      <button type="button" class="btn btn-outline-dark btn-lg download-button"><i class="fab fa-apple"></i>
Download</button>
      <button type="button" class="btn btn-outline-light btn-lg download-button"><i class="fab fa-google-
play"></i> Download</button>
    </section>
  </div>
</div>
</div>
<!-- Footer -->

<footer class="white-section" id="footer">
  <ul class="social-network social-circle">
    <li><a href="#" class="icoFacebook" title="Facebook"><i class="fa fa-facebook"></i></a></li>
    <li><a href="#" class="icoTwitter" title="Twitter"><i class="fa fa-twitter"></i></a></li>
    <li><a href="#" class="icoGoogle" title="Google +"><i class="fa fa-google-plus"></i></a></li>
    <li><a href="#" class="icoInstagram" title="Instagram"><i class="fa fa-instagram" aria-
hidden="true"></i></a></li>

  </ul>
  <p>© Copyright 2023</p>
</footer>
</body>
</html>

```

File Name: - index.css

```
<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet version="1.0"
xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
>
<xsl:template match="/">
  <html>
    <body>
      <table border="1">
        <tr>
          <th> Username</th>
          <th>Password</th>
          <th>FirstName</th>
          <th>LastName</th>
          <th>Gender</th>
          <th>Email</th>
        </tr>
      </table>
    </body>
  </html>
</xsl:template>
</xsl:stylesheet>

/* containers*/

.colored-section{
  background-color: #6293c4;
  color:#fff;
}
.container-fluid{
  padding: 7% 15%;
}

#title .container-fluid{
  padding: 3% 15% 7%;
}

.big-heading{
font-family: 'Montserrat', sans-serif;
font-size: 3rem;
}

h1,h2,h3,h4,h5,h6{
  font-family: 'Montserrat', sans-serif;
  font-style: bold;
}

h2{
  font-family: 'Montserrat';
  font-style: bold;
  font-size: 3rem;
  line-height:1.5 ;
}

p{
  color: #afafaf;
}

body{
  font-family: 'Montserrat';
  text-align: center;
}

/*Navigation Bar*/
```

```

    <th>Position</th>
    <th>Salary</th>
    <th>Contact</th>
  </tr>
<xsl:for-each select="company/employee">
  <tr>
    <td><xsl:value-of
select="username"/></td>
    <td><xsl:value-of
select="password"/></td>
    <td>< #title{
      font-family: 'Montserrat', sans-serif;
    }
  </td>
  </tr>
</xsl:for-each>

.navbar{
  padding-bottom: 4.5rem;
}

.navbar-brand{
  font-family: "Ubuntu";
  font-size: 2.5rem;
  font-weight: bold;
}

.nav-item{
  padding: 0 18px;
}

.nav-link{
  font-size: 1.2rem;
  font-family: 'Montserrat-Light', sans-serif;
  color:#fff;
}

.download-button{
margin: 5% 3% 5% 0%
}

/* Title Image */
.title-image{
  width: 60%;
  transform: rotate(25deg);
  position: absolute;
  right: 30%;
}

/* Features */
#features{
  padding: 7% 15%;
  background-color: white;
  position: relative;
}


```

```

.feature-box{
    padding: 5%;
}

.icon{
    color: #6293c4;
    margin-bottom: 1rem;
}

.icon:hover{
    color: #282828;
}

/* Testimonials Section */

#testimonials{
    padding: 7% 15%;

    background-color: #6293c4;
    color: #fff;
}

.testimonial-image{
    width: 100px;
    height: 80px;
    border-radius: 100%;
    margin: 10px;
}

#press{
    background-color: #6293c4;

    padding-bottom: 3%;
}

.press-logo{
    width: 15%;
    margin: 20px 20px 50px;
}

.carousel-item{
    padding: 7% 15%;
}

/* pricing section */
#pricing{
    padding: 100px;
}

.pricing-column{
    padding: 3% 2%;
}

@media (max-width: 1028px) {

#title{
    text-align: center;
}

.title-image{
    position: static;
    transform: rotate(0);
}

#cta{
    font-family: 'Montserrat', sans-serif;
    font-size: 3rem;
    padding: 7% 15%;
}

.text-bottom{
    color: #fff;
    font-size: 3.5rem;
    line-height: 1.5;
}

.bottom{
    background-color: #6293c4;

    padding: 3% 15% 7%;
}

#footer{
    padding: 7% 15%;
}

/*footer social icons */
ul.social-network {
    list-style: none;
    display: inline;
    margin-left: 0 !important;
    padding: 0;
}
ul.social-network li {
    display: inline;
    margin: 0 5px;
}

/*footer social icons */
.social-network a.icoRss:hover {
    background-color: #F56505;
}
.social-network a.icoFacebook:hover {
    background-color: #3B5998;
}
.social-network a.icoTwitter:hover {
    background-color: #33ccff;
}
.social-network a.icoGoogle:hover {

```

```

    background-color:#BD3518;
}
.social-network a.icoVimeo:hover {
    background-color:#0590B8;
}
.social-network a.icoLinkedin:hover {
    background-color:#007bb7;
}
.social-network a.icoInstagram:hover {
    background-color: orangered;
}
.social-network a.icoRss:hover i, .social-network
a.icoFacebook:hover i, .social-network
a.icoTwitter:hover i,
.social-network a.icoGoogle:hover i, .social-network
a.icoVimeo:hover i, .social-network
a.icoLinkedin:hover i, .social-network
a.icoInstagram:hover i {
    color:#fff;
}
a.socialIcon:hover, .socialHoverClass {
    color:#44BCDD;
}

.social-circle li a {
    display:inline-block;
    position:relative;
    margin:0 auto 0 auto;
    -moz-border-radius:50%;
    -webkit-border-radius:50%;
    border-radius:50%;

```

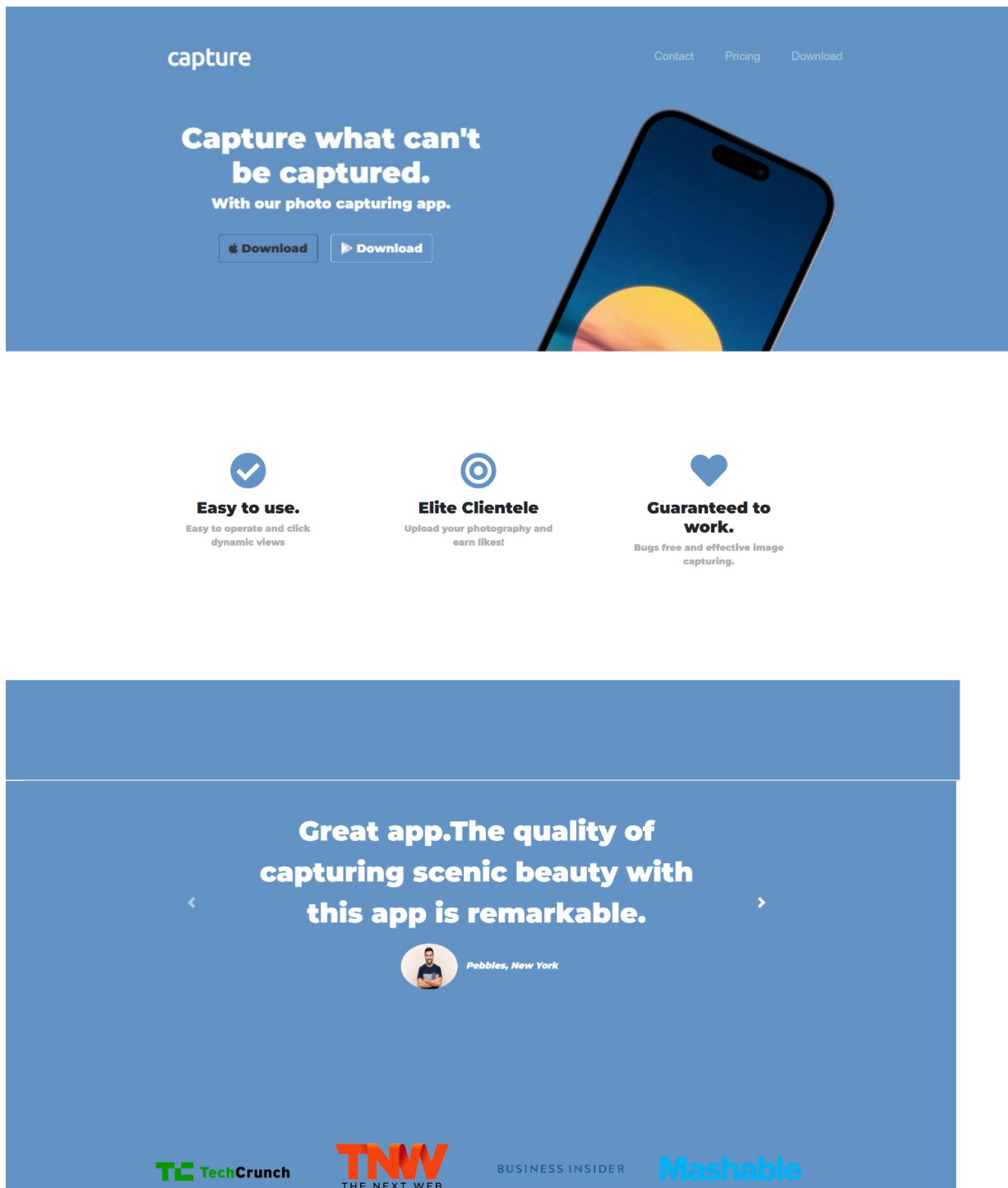
```

    text-align:center;
    width: 50px;
    height: 50px;
    font-size:20px;
}
.social-circle li i {
    margin:0;
    line-height:50px;
}

.social-circle li a:hover i, .triggeredHover {
    -moz-transform: rotate(360deg);
    -webkit-transform: rotate(360deg);
    -ms--transform: rotate(360deg);
    transform: rotate(360deg);
    -webkit-transition: all 0.2s;
    -moz-transition: all 0.2s;
    -o-transition: all 0.2s;
    -ms-transition: all 0.2s;
    transition: all 0.2s;
}
.social-circle i {
    color: black;
    -webkit-transition: all 0.8s;
    -moz-transition: all 0.8s;
    -o-transition: all 0.8s;
    -ms-transition: all 0.8s;
    transition: all 0.8s;
}

```

OUTPUT:-



Our plans include a range of options for you to choose.

Simple and affordable price plans for you.

Free Version	Monthly Plan	Annual Plan
Free Unlimited captures Limited cloud storage No posting services Sign Up	\$49 / mo Unlimited captures Unlimited cloud storage Limited Posting services Sign Up	\$299 / yr Unlimited captures Unlimited cloud storage Unlimited Posting services Sign Up

Get your app right away
and 'Capture' the world!



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CODE:-

File Name: - employee.dtd

```
<!ELEMENT company (employee+)>
<!ELEMENT employee (username,password,firstname,lastname,gender,email,position,salary,contact)>
<!ELEMENT username (#PCDATA)>
<!ELEMENT password (#PCDATA)>
<!ELEMENT firstname (#PCDATA)>
<!ELEMENT lastname (#PCDATA)>
<!ELEMENT gender (#PCDATA)>
<!ELEMENT email (#PCDATA)>
<!ELEMENT position (#PCDATA)>
<!ELEMENT salary (#PCDATA)>
<!ELEMENT contact (#PCDATA)>
```

File Name: - employee.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/xsl" href="employee.xsl"?>
<!DOCTYPE company SYSTEM "employee.dtd">
<company>
  <employee>
    <username>Akash123</username>
    <password>akash123</password>
    <firstname>Akash</firstname>
    <lastname>Mete</lastname>
    <gender>Male</gender>
    <email>akashmete129@gmail.com</email>
    <position>Software Developer</position>
    <salary>9.5lpa</salary>
    <contact>+91 7051794388</contact>
  </employee>

  <employee>
    <username>AlexWest</username>
    <password>alex123</password>
    <firstname>Alex</firstname>
    <lastname>West</lastname>
    <gender>Female</gender>
    <email>alex123@gmail.com</email>
    <position>Software Developer</position>
    <salary>8.5lpa</salary>
    <contact>+91 9335784511</contact>
  </employee>

  <employee>
    <username>BarryAllen</username>
    <password>barry123</password>
    <firstname>Barry</firstname>
    <lastname>Allen</lastname>
    <gender>Male</gender>
    <email>barryallen@gmail.com</email>
    <position>Frontend Developer</position>
    <salary>7.5lpa</salary>
```

```

    <contact>+91 7834918230</contact>
</employee>
<employee>
  <username>JohnDoe</username>
  <password>johndoe123</password>
  <firstname>John</firstname>
  <lastname>Doe</lastname>
  <gender>Male</gender>
  <email>johndoe@example.com</email>
  <position>Marketing Manager</position>
  <salary>12lpa</salary>
  <contact>+91 9934671209</contact>
</employee>

<employee>
  <username>JaneSmith</username>
  <password>janesmith456</password>
  <firstname>Jane</firstname>
  <lastname>Smith</lastname>
  <gender>Female</gender>
  <email>janesmith@example.com</email>
  <position>Human Resources Manager</position>
  <salary>10lpa</salary>
  <contact>+91 9091293801</contact>
</employee>

<employee>
  <username>BobJohnson</username>
  <password>bob123</password>
  <firstname>Bob</firstname>
  <lastname>Johnson</lastname>
  <gender>Male</gender>
  <email>bob.johnson@example.com</email>
  <position>Software Engineer</position>
  <salary>9lpa</salary>
  <contact>+91 7722012983</contact>
</employee>
</company>

```

File Name: - employee.xsl

```

<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
  <xsl:template match="/">
    <html>
      <head>
        <title>XML-14K15A0501</title>
      </head>
      <body>
        <style>
          table {
            border-collapse: collapse;
            width: 100%;
          }
          th {
            font-size: 18px;
            color: blue;
            border: 1px solid black;

```

```

padding: 8px;
text-align: left;
}
tr:nth-child(even) {
background-color: #f2f2f2;
}
th:hover{
background-color: black;
color:white;
}
tr:hover {
background-color: black;
color:white;
}
td {
border: 1px solid black;
padding: 8px;
vertical-align: top;
}
td.salary {
text-align: right;
}
</style>

```

```

<table>
  <tr>
    <th>Username</th>
    <th>Password</th>
    <th>First Name</th>
    <th>Last Name</th>
    <th>Gender</th>
    <th>Email</th>
    <th>Position</th>
    <th>Salary</th>
    <th>Contact</th>
  </tr>
  <xsl:for-each select="company/employee">
    <tr>
      <td>
        <xsl:value-of select="username" />
      </td>
      <td>
        <xsl:value-of select="password" />
      </td>
      <td>
        <xsl:value-of select="firstname" />
      </td>
      <td>
        <xsl:value-of select="lastname" />
      </td>
      <td>
        <xsl:value-of select="gender" />
      </td>
      <td>
        <xsl:value-of select="email" />
      </td>
      <td>

```

```
        <xsl:value-of select="position" />
    </td>
    <td class="salary">
        ₹<xsl:value-of select="salary" />
    </td>
    <td>
        <xsl:value-of select="contact" />
    </td>
</tr>
</xsl:for-each>
</table>

</body>
</html>
</xsl:template>
</xsl:stylesheet>
```

OUTPUT:-

XML-14K15A0501

127.0.0.1:5500/employee.xml

YouTubeMapsGmailNewsTranslateSOAP2DAYPractice | Geeksfor...Mixkit - Awesome f...Other bookmarks

Username	Password	First Name	Last Name	Gender	Email	Position	Salary	Contact
Akash123	akash123	Akash	Mete	Male	akashmete129@gmail.com	Software Developer	₹9.5lpa	+91 7051794388
AlexWest	alex123	Alex	West	Female	alex123@gmail.com	Software Developer	₹8.5lpa	+91 9335784511
BarryAllen	barry123	Barry	Allen	Male	barryallen@gmail.com	Frontend Developer	₹7.5lpa	+91 7834918230
JohnDoe	johndoe123	John	Doe	Male	johndoe@example.com	Marketing Manager	₹12lpa	+91 9934671209
JaneSmith	janesmith456	Jane	Smith	Female	janesmith@example.com	Human Resources Manager	₹10lpa	+91 9091293801
BobJohnson	bob123	Bob	Johnson	Male	bob.johnson@example.com	Software Engineer	₹9lpa	+91 7722012983

XML-14K15A0501

127.0.0.1:5500/employee.xml

YouTubeMapsGmailNewsTranslateSOAP2DAYPractice | Geeksfor...Mixkit - Awesome f...Other bookmarks

Username	Password	First Name	Last Name	Gender	Email	Position	Salary	Contact
Akash123	akash123	Akash	Mete	Male	akashmete129@gmail.com	Software Developer	₹9.5lpa	+91 7051794388
AlexWest	alex123	Alex	West	Female	alex123@gmail.com	Software Developer	₹8.5lpa	+91 9335784511
BarryAllen	barry123	Barry	Allen	Male	barryallen@gmail.com	Frontend Developer	₹7.5lpa	+91 7834918230
JohnDoe	johndoe123	John	Doe	Male	johndoe@example.com	Marketing Manager	₹12lpa	+91 9934671209
JaneSmith	janesmith456	Jane	Smith	Female	janesmith@example.com	Human Resources Manager	₹10lpa	+91 9091293801
BobJohnson	bob123	Bob	Johnson	Male	bob.johnson@example.com	Software Engineer	₹9lpa	+91 7722012983

XML-14K15A0501

127.0.0.1:5500/employee.xml

YouTubeMapsGmailNewsTranslateSOAP2DAYPractice | Geeksfor...Mixkit - Awesome f...Other bookmarks

Username	Password	First Name	Last Name	Gender	Email	Position	Salary	Contact
Akash123	akash123	Akash	Mete	Male	akashmete129@gmail.com	Software Developer	₹9.5lpa	+91 7051794388
AlexWest	alex123	Alex	West	Female	alex123@gmail.com	Software Developer	₹8.5lpa	+91 9335784511
BarryAllen	barry123	Barry	Allen	Male	barryallen@gmail.com	Frontend Developer	₹7.5lpa	+91 7834918230
JohnDoe	johndoe123	John	Doe	Male	johndoe@example.com	Marketing Manager	₹12lpa	+91 9934671209
JaneSmith	janesmith456	Jane	Smith	Female	janesmith@example.com	Human Resources Manager	₹10lpa	+91 9091293801
BobJohnson	bob123	Bob	Johnson	Male	bob.johnson@example.com	Software Engineer	₹9lpa	+91 7722012983

CODE:-

File Name: - App.css

```
*, *::before, *::after {
  box-sizing: border-box;
}

body {
  margin: 0;
  background: rgb(25, 0, 36);
  background: linear-gradient(90deg,
    rgba(25, 0, 36, 1) 0%, rgba(41, 9, 121, 1) 30%,
    rgba(210, 0, 255, 1) 100%);
  max-width: 500px;
  margin: auto;
  font-family: 'Inconsolata', monospace;
}

h1 {
  width: 400px;
  color: white;
  height: 50px;
  font-family: 'Inconsolata', monospace;
  margin: 0%;
  text-align: center;
}

.calculator-grid {
  display: grid;
  margin-top: 2rem;
  grid-template-columns: repeat(4, 6rem);
  grid-template-rows: minmax(7rem, auto)
  repeat(5, 6rem);
  justify-content: center;
}

.calculator-grid > button {
  opacity: 0.5;
  cursor: pointer;
  font-size: 2rem;
  border: 1px solid white;
  outline: none;
  background-color: rgb(252, 252, 252);
}

.calculator-grid > button:hover,
.calculator-grid > button:focus {
  background-color: rgba(255, 255, 255, .9);
}

.span-two {
  grid-column: span 2;
}
```

```
}

.output {
  opacity: 0.9;
  grid-column: 1 / -1;
  background-color: rgba(255, 255, 255, 0.75);
  display: flex;
  flex-direction: column;
  align-items: flex-end;
  justify-content: space-around;
  padding: .75rem;
  word-wrap: break-word;
  word-break: break-all;
}

.output .previous-operand {
  color: rgba(0, 0, 0, 0.75);
  font-size: 1.5rem;
}

.output .current-operand {
  color: rgb(0, 0, 0);
  font-size: 2.5rem;
}

}
```

File Name: - App.js

```
import './App.css';
import React, { useReducer } from 'react';
import DigitButton from './DigitButton';
import OperationButton from './OperationButton';
export const ACTIONS = {
  ADD_DIGIT: "add-digit",
  CHOOSE_OPERATION: "choose-operation",
  CLEAR: "clear",
  DELETE_DIGIT: "delete-digit",
  EVALUATE: "evaluate",
};
function reducer(state, { type, payload }) {
  switch (type) {
    case ACTIONS.ADD_DIGIT:
      if (state.overwrite) {
        return {
          ...state,
          currentOperand: payload.digit,
          overwrite: false,
        }
      }
      if (payload.digit === "0" && state.currentOperand === "0") {
        return state;
      }
      if (payload.digit === "." && state.currentOperand.includes(".")) {
        return state;
      }
      return {
        ...state,
        currentOperand: `${state.currentOperand || ""}${payload.digit}`,
      };

    case ACTIONS.CHOOSE_OPERATION:
      if (state.currentOperand == null && state.previousOperand == null) {
        return state;
      }

      if (state.currentOperand == null) {
        return {
          ...state,
          operation: payload.operation,
        }
      }

      if (state.previousOperand == null) {
        return {
          ...state,
          operation: payload.operation,
          previousOperand: state.currentOperand,
          currentOperand: null,
        };
      }

      return {
        ...state,
```



```
    previousOperand: evaluate(state),
    operation: payload.operation,
    currentOperand: null,
  };
}
```

```
case ACTIONS.CLEAR:
  return {};
```

```
case ACTIONS.DELETE_DIGIT:
  if (state.overwrite) {
    return {
      ...state,
      overwrite: false,
      currentOperand: null
    }
  }
  if (state.currentOperand === null) return state
  if (state.currentOperand.length === 1){
    return { ...state, currentOperand: null}
  }
  return {
    ...state,
    currentOperand: state.currentOperand.slice(0, -1)
  }
}
```

```
case ACTIONS.EVALUATE:
  if (
    state.operation === null ||
    state.currentOperand === null ||
    state.previousOperand === null
  ) {
    return state
  }
```

```
  return {
    ...state,
    overwrite: true,
    previousOperand: null,
    operation: null,
    currentOperand: evaluate(state),
  }
  default:
    return {}
}
```

```
}
function evaluate({ currentOperand, previousOperand, operation }) {
  const prev = parseFloat(previousOperand);
  const current = parseFloat(currentOperand);
  if (isNaN(prev) || isNaN(current)) return "";
  let computation = "";
```

```
  switch (operation) {
    case "+":
      computation = prev + current;
      break;
    case "-":
      computation = prev - current;
      break;
    case "*":
      computation = prev * current;
```

```

    break;
case "÷":
    computation = prev / current;
    break;

    default:
        return {}
}

return computation.toString()
}

const INTEGER_FORMATTER = new Intl.NumberFormat("en-us", {
    maximumFractionDigits: 0,
})
function formatOperand(operand) {
    if(operand == null) return
    const [integer,decimal] = operand.split('.')
    if(decimal == null) return INTEGER_FORMATTER.format(integer)
    return `${INTEGER_FORMATTER.format(integer)}.${decimal}`
}

function App() {
    const [{ currentOperand, previousOperand, operation }, dispatch] = useReducer(
        reducer,
        {}
    );

    return (
        <div className="calculator-grid">
            <h1>Calculator App</h1>
            <div className="output">
                <div className="previous-operand">
                    {formatOperand(previousOperand)} {operation}
                </div>
                <div className="current-operand">{formatOperand(currentOperand)}</div>
            </div>
            <button
                className="span-two"
                onClick={() => {
                    dispatch({ type: ACTIONS.CLEAR });
                }}
            >
                AC
            </button>
            <button onClick={() => dispatch({type: ACTIONS.DELETE_DIGIT})}>DEL</button>
            <OperationButton operation="÷" dispatch={dispatch} />
            <DigitButton digit="1" dispatch={dispatch} />
            <DigitButton digit="2" dispatch={dispatch} />
            <DigitButton digit="3" dispatch={dispatch} />
            <OperationButton operation="*" dispatch={dispatch} />
            <DigitButton digit="4" dispatch={dispatch} />
            <DigitButton digit="5" dispatch={dispatch} />
            <DigitButton digit="6" dispatch={dispatch} />
            <OperationButton operation="+" dispatch={dispatch} />
            <DigitButton digit="7" dispatch={dispatch} />
            <DigitButton digit="8" dispatch={dispatch} />
            <DigitButton digit="9" dispatch={dispatch} />
            <OperationButton operation="-" dispatch={dispatch} />
        </div>
    )
}

```

```

    <DigitButton digit="." dispatch={dispatch} />
    <DigitButton digit="0" dispatch={dispatch} />
    <button className="span-two" onClick={() => dispatch({type: ACTIONS.EVALUATE})}>=</button>
  </div>
);
}

```

export default App;

File Name: - DigitButton.js

```

import { ACTIONS } from "./App"
export default function DigitButton({ dispatch, digit }) {
  return(
    <button onClick={() => dispatch({ type: ACTIONS.ADD_DIGIT, payload: {digit}})}>{digit}</button>
  )
}

```

File Name: - index.css

```

body {
  margin: 0;
  font-family: -apple-system, BlinkMacSystemFont, 'Segoe UI', 'Roboto', 'Oxygen', 'Ubuntu', 'Cantarell', 'Fira Sans',
'Droid Sans', 'Helvetica Neue', sans-serif;
  -webkit-font-smoothing: antialiased;
  -moz-osx-font-smoothing: grayscale;
}
code {
  font-family: source-code-pro, Menlo, Monaco, Consolas, 'Courier New', monospace;
}

```

File Name: - index.js

```

import React from 'react';
import ReactDOM from 'react-dom';
import './index.css';
import App from './App';
ReactDOM.render(
  <React.StrictMode>
    <App />
  </React.StrictMode>,
  document.getElementById('root')
);

```

File Name: - OperationButton.js

```

import { ACTIONS } from "./App"
export default function OperationButton({ dispatch, operation }) {
  return(
    <button onClick={() => dispatch({ type: ACTIONS.CHOOSE_OPERATION, payload: {operation}})}>
    {operation}</button>
  )
}

```

Output:-

Calculator App

ACDEL÷

123*

456+

789-

.0=

Calculator App

3 +5

ACDEL÷

123*

456+

789-

.0=

Calculator App

8

ACDEL÷

123*

456+

789-

.0=

Calculator App

90 ÷

9

ACDEL÷

123*

456+

789-

.0=

Calculator App

10

ACDEL÷

123*

456+

789-

.0=

Calculator App

0 ÷

0

ACDEL÷

123*

456+

789-

.0=

Calculator App

NaN

AC

DEL

÷

1

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*

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5

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0

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Calculator App

1 ÷
0

AC

DEL

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Calculator App

∞

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-

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0

=

CODE: -

File Name: - register.java

```
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
/* * Servlet implementation class Register */
@WebServlet("/register")
public class register extends HttpServlet {
    private static final long serialVersionUID = 1L;
    /* * @see HttpServlet#HttpServlet() */
    public register() {
        super();
        // TODO Auto-generated constructor stub
    }
    /** @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response) */
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws
    ServletException, IOException {
        // TODO Auto-generated method stub
        response.getWriter().append("Served at: ").append(request.getContextPath());
    }
    /** @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response) */
    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
    ServletException, IOException {
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();

        String book_id = request.getParameter("book_id");
        String book_title = request.getParameter("book_title");
        String book_author = request.getParameter("book_author");
        String book_price = request.getParameter("book_price");
        String quantity = request.getParameter("quantity");
        try {
            Class.forName("com.mysql.jdbc.Driver");
            Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/BookDB", "root",
            "root");
            PreparedStatement ps = con.prepareStatement("insert into ebookshop values(?,?,?,?,?)");
            ps.setString(1, book_id);
            ps.setString(2, book_title);
            ps.setString(3, book_author);
            ps.setString(4, book_price);
            ps.setString(5, quantity);
            int i = ps.executeUpdate();
            if (i > 0) {

                PreparedStatement ps1 = con.prepareStatement("SELECT * FROM ebookshop");
```

```

ResultSet rs = ps1.executeQuery();
out.println("<html><head><title>Book Inventory</title>");
out.println("<style>");
out.println("table {border-collapse: collapse; width: 100%;}");
out.println("th, td {text-align: left; padding: 8px;}");
out.println("th {background-color: #4CAF50; color: white;}");
out.println("tr:nth-child(even) {background-color: #f2f2f2;}");
out.println("</style>");
out.println("</head><body>");
out.println("<h2 style='text-align: center;'>Book Inventory</h2>");
out.println("<table>");
out.println("<tr><th>ID</th><th>Title</th><th>Author</th><th>Price</th><th>Quantity</th></tr>");
while (rs.next()) {
    book_id = rs.getString("book_id");
    book_title = rs.getString("book_title");
    book_author = rs.getString("book_author");
    book_price = rs.getString("book_price");
    quantity = rs.getString("quantity");
    out.println("<tr><td>" + book_id + "</td><td>" + book_title + "</td><td>" + book_author +
        "</td><td>" + book_price + "</td><td>" + quantity + "</td></tr>");
}
out.println("</table>");
out.print("<h3 style='text-align: center; color: red;'>You're data has been stored successfully</h3>");
out.println("</body></html>");
rs.close();
ps1.close();
con.close();
}
} catch (Exception e) {
    System.out.println(e);
}
}
}

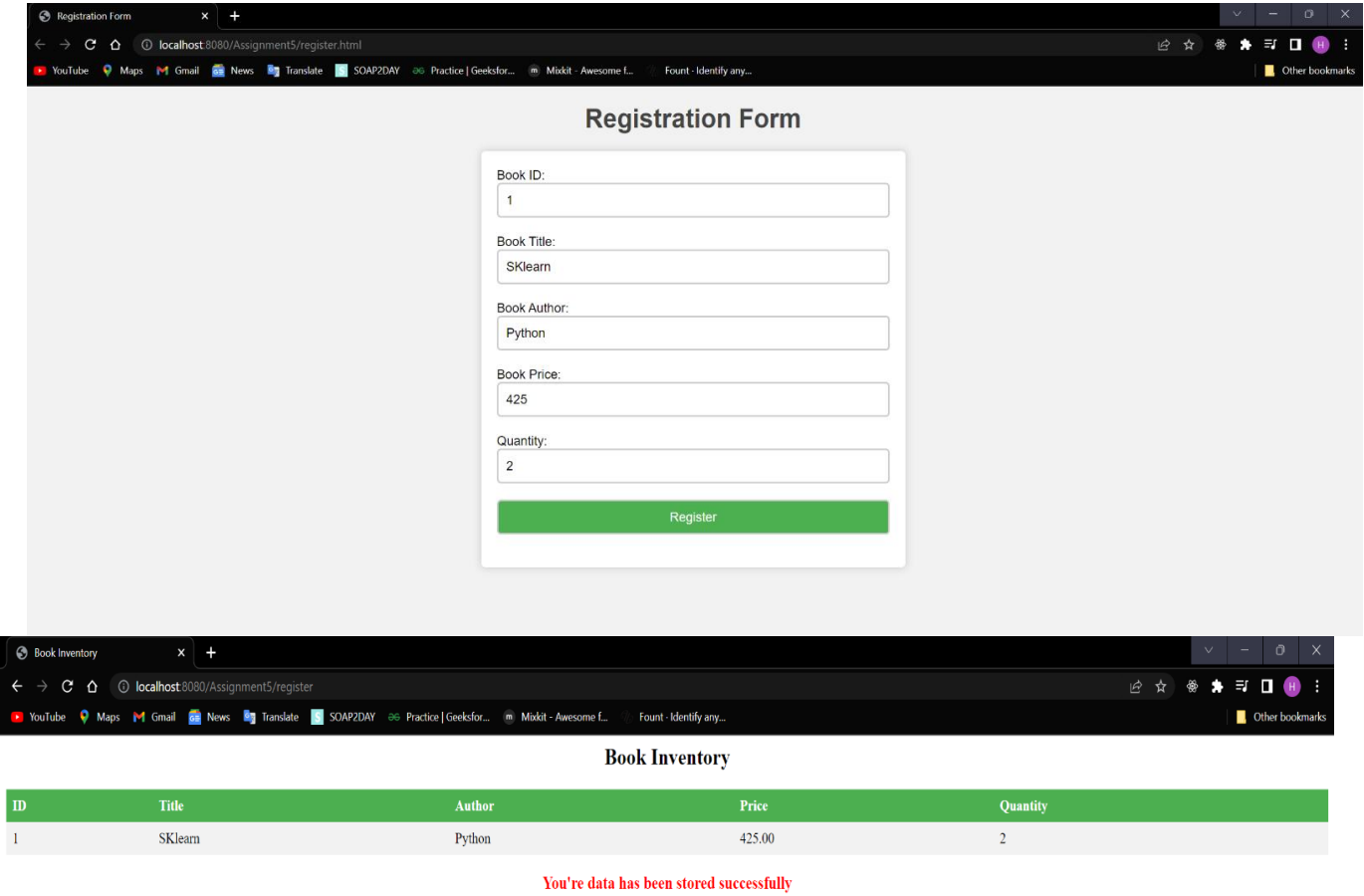
```


File Name: - Register.html

```
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Registration Form</title>
<style>
  body {
    font-family: Arial, sans-serif;
    background-color: #f2f2f2;
  }
  form {
    max-width: 500px;
    margin: 0 auto;
    padding: 20px;
    background-color: #ffffff;
    border-radius: 5px;
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.2);
  }
  h1 {
    text-align: center;
    color: #444444;
  }
  h2 {
    text-align: center;
    color: #444444;
  }
  input[type="number"],
  input[type="text"],
  input[type="submit"] {
    display: block;
    width: 100%;
    padding: 10px;
    margin-bottom: 20px;
    border-radius: 3px;
    box-sizing: border-box;
    font-size: 16px;
    border: 2px solid #cccccc;
    border-radius: 5px;
    padding: 10px;
  }
  input[type="submit"] {
    background-color: #4CAF50;
    color: #ffffff;
    cursor: pointer;
  }
  input[type="submit"]:hover {
    background-color: #3e8e41;}
</style>
</head>
<body>
<h1>Registration Form</h1>
<form action="register" method="post">
  <label for="book_id">Book ID:</label>
```

```
<input type="number" name="book_id" required>
<label for="book_title">Book Title:</label>
<input type="text" name="book_title" required>
<label for="book_author">Book Author:</label>
<input type="text" name="book_author" required>
<label for="book_price">Book Price:</label>
<input type="number" name="book_price" required>
<label for="quantity">Quantity:</label>
<input type="number" name="quantity" required>
<input type="submit" value="Register">
</form>
</body>
</html>
```

Output: -



```
MySQL 8.0 Command Line Cli  x  +  v  -  □  x

Enter password: ****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 14
Server version: 8.0.30 MySQL Community Server - GPL

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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> use BookDB;
Database changed
mysql> select * from ebookshop;
+-----+-----+-----+-----+-----+
| book_id | book_title | book_author | book_price | quantity |
+-----+-----+-----+-----+-----+
|      1 | SKlearn   | Python     |    425.00 |         2 |
+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql> |
```

CODE: -

File Name: - studentinsert.jsp

```
<%@ page import="java.sql.*" %>
<%@ page contentType="text/html; charset=UTF-8" language="java" %>
<html>
<head>
    <title>Students Information</title>
    <style>
        table {border-collapse: collapse; width: 100%;}
        th, td {text-align: left; padding: 8px;}
        th {background-color: #4CAF50; color: white;}
        tr:nth-child(even) {background-color: #f2f2f2;}
    </style>
</head>
<body>
    <%
        String student_id = request.getParameter("student_id");
        String student_name = request.getParameter("student_name");
        String class_Name = request.getParameter("class_Name");
        String division = request.getParameter("division");
        String city = request.getParameter("city");

        try {
            Class.forName("com.mysql.jdbc.Driver");
            Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/
                student", "root", "root");
            PreparedStatement ps = con.prepareStatement("insert into student_info
                values(?,?,?,?)");
            ps.setString(1, student_id);
            ps.setString(2, student_name);
            ps.setString(3, class_Name);
            ps.setString(4, division);
            ps.setString(5, city);
            int i = ps.executeUpdate();
            if (i > 0) {
                PreparedStatement ps1 = con.prepareStatement("SELECT * FROM
                    student_info");
                ResultSet rs = ps1.executeQuery();
                out.println("<h2 style='text-align: center;'>STUDENTS
                    INFORMATION</h2>");
                out.println("<table>");

                out.println("<tr><th>ID</th><th>NAME</th><th>CLASS</th><th>DIVISION</th><th>CITY</th></tr>
                    >");

                while (rs.next()) {
                    student_id = rs.getString("student_id");
                    student_name = rs.getString("student_name");
                    class_Name = rs.getString("class_Name");
                    division = rs.getString("division");
                    city = rs.getString("city");
                    out.println("<tr><td>" + student_id + "</td><td>" + student_name +
                        "</td><td>" + class_Name + "</td><td>" + division + "</td><td>" +
```

```

        city + "</td></tr>");
    }
    out.println("</table>");
    out.print("<h3 style=\"text-align: center; color: red\">Your data has been
        stored successfully</h3>");
    rs.close();
    ps1.close();
    con.close();
    }
} catch (Exception e) {
    out.println(e);
}
%>
</body>
</html>

```

File Name: - students.jsp

```

<%@ page language="java" contentType="text/html; charset=ISO-8859-1" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
    <meta charset="UTF-8">
    <title>Student Registration Form</title>
    <style>
        /* CSS styles for the form go here */
        /* Styles for the form */
form {
    max-width: 500px;
    margin: 0 auto;
    font-family: Arial, sans-serif;
    padding: 20px;
    background-color: #f5f5f5;
    border-radius: 5px;
    box-shadow: 0 0 10px rgba(0,0,0,0.2);
}

h1 {
    text-align: center;
}

label {
    display: block;
    margin-bottom: 10px;
}

input[type="text"], input[type="number"], input[type="submit"] {
    width: 100%;
    padding: 10px;
    border: 1px solid #ccc;
    border-radius: 5px;
    margin-bottom: 20px;
    box-sizing: border-box;
}

```

```

}

input[type="submit"] {
    background-color: #e6b225;
    color: black;
    border: none;
    cursor: pointer;
    font-size: 16px;
    margin-top: 20px;
}

input[type="submit"]:hover {
    background-color: #fcba03 ;
}

</style>
</head>
<body>
    <h1>Student Registration Form</h1>
    <form action="studentinsert.jsp" method="post">
        <label for="student_id">Student ID:</label>
        <input type="number" id="student_id" name="student_id" required><br>

        <label for="student_name">Student Name:</label>
        <input type="text" id="student_name" name="student_name" required><br>

        <label for="class">Class:</label>
        <input type="text" id="class_Name" name="class_Name" required><br>

        <label for="division">Division:</label>
        <input type="text" id="division" name="division" required><br>

        <label for="city">City:</label>
        <input type="text" id="city" name="city" required><br>

        <input type="submit" value="Submit">
    </form>
</body>
</html>

```

Output: -

Student Registration Form

Student ID:

2

Student Name:

Riyan Pawar

Class:

TE

Division:

B

City:

Shivajinagar,Pune

Submit

STUDENTS INFORMATION				
ID	NAME	CLASS	DIVISION	CITY
1	Jurel Jaiswal	TE	A	Saniwar Peth,Pune
2	Riyan Pawar	TE	B	Shivajinagar,Pune

Your data has been stored successfully

CODE: -

File Name: - update.php

```
<!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://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/css/bootstrap.min.css"
integrity="sha384-zCbKRCUGaJDkqS1kPbPd7TveP5iyJE0EjAuZQTgFLD2ylzuqKfdKlfG/eSrtxUkn"
crossorigin="anonymous">
  <title>PHP CRUD OPERATIONS</title>
</head>
<body>
  <?php
  //for sql connection
  $host = 'localhost:3306';
  $user = 'root';
  $pass = 'root';
  $dbname = 'student';
  $conn = mysqli_connect($host, $user, $pass, $dbname);
  if (!$conn) {
    die('Could not connect: ' . mysqli_connect_error());
  }
  ?>
  <!--Navbar-->
  <nav class="navbar navbar-expand-lg navbar-dark bg-dark">
    <a class="navbar-brand text-success" style="font-weight:bold;">Student Database</a>
    <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarText" aria-
controls="navbarText" aria-expanded="false" aria-label="Toggle navigation">
      <span class="navbar-toggler-icon"></span>
    </button>
    <div class="collapse navbar-collapse" id="navbarText">
      <ul class="navbar-nav mr-auto">
        <li class="nav-item active">
          <a class="nav-link" href="index.php">Home <span class="sr-only">(current)</span></a>
        </li>
      </ul>
    </div>
  </nav>

  <div class="container-fluid">
```



```

<?php
    // Taking all 5 values from the form data(input)
    $name = $_REQUEST['name'];
    $id = $_REQUEST['id'];
    $roll = $_REQUEST['roll'];
    $class = $_REQUEST['class'];
    $address = $_REQUEST['address'];
    // Performing insert query execution
    $sql = "UPDATE studentdata SET id='$id',rollno='$roll',name='$name',class='$class',address='$address'
        WHERE id='$id'";
    if(mysqli_query($conn, $sql)){
        echo "<div class='alert alert-success' role='alert'>
        Update Successful Thank you !
        <a href='index.php'> <button type='submit' class='btn btn-success'>Back To Home</button></a>
        </div>";
    }else{
        echo "<div class='alert alert-danger' role='alert'>
        Try Again Something went wrong ! May Already Register
        <a href='Index.php'> <button type='submit' class='btn btn-success'>Back To Home</button></a>
        </div> ";
    }
    // Close connection
    mysqli_close($conn);
?>
</div>
<script src="https://cdn.jsdelivr.net/npm/jquery@3.5.1/dist/jquery.slim.min.js" integrity="sha384-
DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/js/bootstrap.bundle.min.js"
integrity="sha384-fQybjgWLrvvRgtW6bFIB7jaZrFsaBXjsOMm/tB9LTS58ONXgqbR9W8oWht/amnpF"
crossorigin="anonymous"></script>
</body>
</html>

```

File Name: - student.sql

```

create database student;
use student;
SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
START TRANSACTION;
SET time_zone = "+00:00";
/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
/*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
/*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
/*!40101 SET NAMES utf8mb4 */;

CREATE TABLE `studentdata` (
  `id` int(11) NOT NULL,
  `rollno` int(50) NOT NULL,
  `name` varchar(100) NOT NULL,
  `class` varchar(100) NOT NULL,
  `address` varchar(200) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

```

```
INSERT INTO `studentdata` (`id`, `rollno`, `name`, `class`, `address`) VALUES
(1, 45, 'Priya Khade', 'TE A', 'Somwar Peth');
```

```
ALTER TABLE `studentdata` ADD PRIMARY KEY (`id`);
```

```
ALTER TABLE `studentdata` MODIFY `id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=3;
COMMIT;
```

```
/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;
```

File Name: - index.php

```
<!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://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/css/bootstrap.min.css"
integrity="sha384-zCbKRCUGaJDkqS1kPbPd7TveP5iyJE0EjAuZQTgFLD2ylzuqKfdKlfG/eSrtxUkn"
crossorigin="anonymous">
  <title>PHP CRUD OPERATIONS</title>
</head>
<body>
  <?php
  //for sql connection
  $host = 'localhost:3306';
  $user = 'root';
  $pass = 'root';
  $dbname = 'student';
  $conn = mysqli_connect($host, $user, $pass, $dbname);
  if (!$conn) {
    die('Could not connect: ' . mysqli_connect_error());
  }
  $sql = "SELECT * FROM studentdata";
  $retval = mysqli_query($conn, $sql);
  ?>
  <!--Navbar-->
  <nav class="navbar navbar-expand-lg navbar-dark bg-dark">
    <a class="navbar-brand text-success" style="font-weight:bold;">Student Database</a>
    <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarText" aria-
controls="navbarText" aria-expanded="false" aria-label="Toggle navigation">
      <span class="navbar-toggler-icon"></span>
    </button>
    <div class="collapse navbar-collapse" id="navbarText">
      <ul class="navbar-nav mr-auto">
        <li class="nav-item active">
          <a class="nav-link" href="index.php">Home <span class="sr-only">(current)</span></a>
        </li>
      </ul>
    </div>
    <td><button type="button" data-toggle="modal" data-target="#exampleModal" class="btn btn-
```

```

outline-success" >Add</button></td>
</div>
</nav>
<!-->
<div class="container mt-2">
  <table class="table table-bordered">
    <thead class="thead-dark">
      <tr>
        <th scope="col">student Id</th>
        <th scope="col">Roll No</th>
        <th scope="col">Name</th>
        <th scope="col">Class(FE,TE,BE)</th>
        <th scope="col">Address</th>
        <th scope="col">Update</th>
        <th scope="col">Delete</th>
      </tr>
    </thead>
    <tbody>
      <?php
      if (mysqli_num_rows($retval) > 0) {
        while ($row = mysqli_fetch_assoc($retval)) {
          ?>
          <tr>
            <td><?php echo $row['id'] ?? ''; ?></td>
            <td><?php echo $row['rollno']; ?></td>
            <td><?php echo $row['name']; ?></td>
            <td><?php echo $row['class']; ?></td>
            <td><?php echo $row['address']; ?></td>
            <td><button type="button" data-toggle="modal" data-target="#exampleModal2"
class="btn btn-outline-success" >Update</button></td>
            <td><button type="button" data-toggle="modal" data-target="#exampleModal1"
class="btn btn-outline-success" >Delete</button></td>
          </tr>
        <?php }
      } else {
        echo "<div class='alert alert-warning alert-dismissible fade show' role='alert'>
<strong>Data Not Found!</strong>
<button type='button' class='close' data-dismiss='alert' aria-label='Close'>
  <span aria-hidden='true'>&times;</span>
</button>
</div>";
      }
    <?php }
  </tbody>
</table>
</div>
<!--Add-->
<div class="modal fade" id="exampleModal" tabindex="-1" aria-labelledby="exampleModalLabel" aria-
hidden="true">
  <div class="modal-dialog">
    <div class="modal-content">
      <div class="modal-header">
        <h5 class="modal-title" id="exampleModalLabel">Add Student</h5>
        <button type="button" class="close" data-dismiss="modal" aria-label="Close">

```

```

        <span aria-hidden="true">&times;</span>
    </button>
</div>
<div class="modal-body">
<form action="Add.php" method="post">
    <div class="form-group">
        <label for="recipient-name" class="col-form-label">ID:</label>
        <input type="number" class="form-control" name="id">
    </div>
    <div class="form-group">
        <label for="recipient-name" class="col-form-label">Roll Number:</label>
        <input type="number" class="form-control" name="roll">
    </div>
    <div class="form-group">
        <label for="recipient-name" class="col-form-label">Name:</label>
        <input type="text" class="form-control" name="name">
    </div>
    <div class="form-group">
        <label for="recipient-name" class="col-form-label">Class:</label>
        <input type="text" class="form-control" name="class">
    </div>
    <div class="form-group">
        <label for="recipient-name" class="col-form-label">Address:</label>
        <input type="text" class="form-control" name="address">
    </div>
    <button type="submit" class="btn btn-primary" name="adminlogin">Add Student</button>
</form>
</div>
<div class="modal-footer">
    <button type="button" class="btn btn-secondary" data-dismiss="modal">Close</button>

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

```

```

<!--update-->
<div class="modal fade" id="exampleModal2" tabindex="-1" aria-labelledby="exampleModalLabel" aria-
hidden="true">
    <div class="modal-dialog">
        <div class="modal-content">
            <div class="modal-header">
                <h5 class="modal-title" id="exampleModalLabel">Update Student</h5>
                <button type="button" class="close" data-dismiss="modal" aria-label="Close">
                    <span aria-hidden="true">&times;</span>
                </button>
            </div>
            <div class="modal-body">
                <form action="update.php" method="post">
                    <div class="form-group">
                        <label for="recipient-name" class="col-form-label">ID:</label>
                        <input type="number" class="form-control" name="id">
                    </div>
                    <div class="form-group">

```

```

        <label for="recipient-name" class="col-form-label">Roll Number:</label>
        <input type="number" class="form-control" name="roll">
    </div>
    <div class="form-group">
        <label for="recipient-name" class="col-form-label">Name:</label>
        <input type="text" class="form-control" name="name">
    </div>
    <div class="form-group">
        <label for="recipient-name" class="col-form-label">Class:</label>
        <input type="text" class="form-control" name="class">
    </div>
    <div class="form-group">
        <label for="recipient-name" class="col-form-label">Address:</label>
        <input type="text" class="form-control" name="address">
    </div>
    <button type="submit" class="btn btn-primary" name="adminlogin">Add Student</button>
</form>
</div>
<div class="modal-footer">
    <button type="button" class="btn btn-secondary" data-dismiss="modal">Close</button>
</div>
</div>
</div>
</div>

```

```

<!--Delete-->
<div class="modal fade" id="exampleModal1" tabindex="-1" aria-labelledby="exampleModalLabel" aria-
hidden="true">
    <div class="modal-dialog">
        <div class="modal-content">
            <div class="modal-header">
                <h5 class="modal-title" id="exampleModalLabel">Delete</h5>
                <button type="button" class="close" data-dismiss="modal" aria-label="Close">
                    <span aria-hidden="true">&times;</span>
                </button>
            </div>
            <div class="modal-body">
                <form action="delete.php" method="post">
                    <div class="form-group">
                        <label for="recipient-name" class="col-form-label">ID:</label>
                        <input type="number" class="form-control" name="id">
                    </div>

                    <button type="submit" class="btn btn-primary" name="adminlogin">Delete</button>
                </form>
            </div>
            <div class="modal-footer">
                <button type="button" class="btn btn-secondary" data-dismiss="modal">Close</button>
            </div>
        </div>
    </div>
</div>
<script src="https://cdn.jsdelivr.net/npm/jquery@3.5.1/dist/jquery.slim.min.js" integrity="sha384-

```

```

DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/js/bootstrap.bundle.min.js"
integrity="sha384-fQybjgWLrvvRgtW6bFIB7jaZrFsaBXjsOMm/tB9LTS58ONXgqbR9W8oWht/amnpF"
crossorigin="anonymous"></script>
</body>
</html>

```

File Name: - delete.php

```

<!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://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/css/bootstrap.min.css"
integrity="sha384-zCbKRCUGaJDkqS1kPbPd7TveP5iyJE0EjAuZQTgFLD2ylzuqKfdKlfG/eSrtxUkn"
crossorigin="anonymous">
  <title>PHP CRUD OPERATIONS</title>
</head>
<body>
  <?php
  //for sql connection
  $host = 'localhost:3306';
  $user = 'root';
  $pass = 'root';
  $dbname = 'student';
  $conn = mysqli_connect($host, $user, $pass, $dbname);
  if (!$conn) {
    die('Could not connect: ' . mysqli_connect_error());
  }
  ?>
  <!--Navbar-->
  <nav class="navbar navbar-expand-lg navbar-dark bg-dark">
    <a class="navbar-brand text-success" style="font-weight:bold;">Student Database</a>
    <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarText" aria-
controls="navbarText" aria-expanded="false" aria-label="Toggle navigation">
      <span class="navbar-toggler-icon"></span>
    </button>
    <div class="collapse navbar-collapse" id="navbarText">
      <ul class="navbar-nav mr-auto">
        <li class="nav-item active">
          <a class="nav-link" href="index.php">Home <span class="sr-only">(current)</span></a>
        </li>
      </ul>
    </div>
  </nav>
  <div class="container-fluid">
    <?php
    // Taking all 5 values from the form data(input)
    $id = $_REQUEST['id'];
    // Performing insert query execution

```

```

        $sql = "DELETE FROM studentdata WHERE id='$id'";
        if(mysqli_query($conn, $sql)){
            echo "<div class='alert alert-success' role='alert'>
Delete Successful Thank you !
<a href='Index.php'> <button type='submit' class='btn btn-success'>Back To Home</button></a>
</div>";
        }else{
            echo "<div class='alert alert-danger' role='alert'>
Try Again Something went wrong ! May Already Register
<a href='Index.php'> <button type='submit' class='btn btn-success'>Back To Home</button></a>
</div> ";
        }
    // Close connection
    mysqli_close($conn);
    ?>
</div>
<script src="https://cdn.jsdelivr.net/npm/jquery@3.5.1/dist/jquery.slim.min.js" integrity="sha384-
DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/js/bootstrap.bundle.min.js"
integrity="sha384-fQybjgWLrvvRgtW6bFIB7jaZrFsaBXjsOMm/tB9LTS58ONXgqbR9W8oWht/amnpF"
crossorigin="anonymous"></script>
</body>
</html>

```

File Name: - Add.php

```

<!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://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/css/bootstrap.min.css"
    integrity="sha384-zCbKRCUGaJDkqS1kPbPd7TveP5iyJE0EjAuZQTgFLD2ylzuqKfdKlfG/eSrtxUkn"
    crossorigin="anonymous">
    <title>PHP CRUD OPERATIONS</title>
</head>
<body>
    <?php
    //for sql connection
    $host = 'localhost:3306';
    $user = 'root';
    $pass = 'root';
    $dbname = 'student';
    $conn = mysqli_connect($host, $user, $pass, $dbname);
    if (!$conn) {
        die('Could not connect: ' . mysqli_connect_error());
    }
    ?>
    <!--Navbar-->
    <nav class="navbar navbar-expand-lg navbar-dark bg-dark">
        <a class="navbar-brand text-success" style="font-weight:bold;">Student Database</a>

```

```

<button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarText" aria-
controls="navbarText" aria-expanded="false" aria-label="Toggle navigation">
  <span class="navbar-toggler-icon"></span>
</button>
<div class="collapse navbar-collapse" id="navbarText">
  <ul class="navbar-nav mr-auto">
    <li class="nav-item active">
      <a class="nav-link" href="index.php">Home <span class="sr-only">(current)</span></a>
    </li>
  </ul>
</div>
</nav>
<div class="container-fluid">
  <?php
  // Taking all 5 values from the form data(input)
  $name = $_REQUEST['name'];
  $id = $_REQUEST['id'];
  $roll = $_REQUEST['roll'];
  $class = $_REQUEST['class'];
  $address = $_REQUEST['address'];
  // Performing insert query execution
  $sql = "INSERT INTO studentdata VALUES ('$id','$roll','$name','$class','$address')";
  if(mysqli_query($conn, $sql)){
    echo "<div class='alert alert-success' role='alert'>
    Add Successful Thank you !
    <a href='Index.php'> <button type='submit' class='btn btn-success'>Back To Home</button></a>
    </div>";
  }else{
    echo "<div class='alert alert-danger' role='alert'>
    Try Again Something went wrong ! May Already Register
    <a href='Index.php'> <button type='submit' class='btn btn-success'>Back To Home</button></a>
    </div> ";
  }
  // Close connection
  mysqli_close($conn);
  ?>
</div>
<script src="https://cdn.jsdelivr.net/npm/jquery@3.5.1/dist/jquery.slim.min.js" integrity="sha384-
DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/js/bootstrap.bundle.min.js"
integrity="sha384-fQybjgWLrvvRgtW6bFIB7jaZrFsaBXjsOMm/tB9LTS58ONXgqbR9W8oWht/amnpF"
crossorigin="anonymous"></script>
</body>
</html>

```


Output:

Student Database

Home

Add

Data Not Found!

student Id	Roll No
------------	---------

Add Student

ID:

1

Roll Number:

59

Name:

Deep Admane

Class:

TE

Address:

Pune

Add Student

Close

Student Database

Home

Add

student Id	Roll No	Name	Class(FE,TE,BE)	Address	Update	Delete
1	59	Deep Admane	TE	Pune	<div>Update</div>	<div>Delete</div>

Student Database

Home

Add

student Id	Roll No	Name
1	59	Deep Admane
2	23	Yash Ghule

Update Student

ID:

1

Roll Number:

59

Name:

Deep Admane

Class:

BE

Address:

Nagpur

Add Student

Close

Update	Delete
<div>Update</div>	<div>Delete</div>
<div>Update</div>	<div>Delete</div>

Student Database

Home

Add

student Id	Roll No	Name	Class(FE,TE,BE)	Address	Update	Delete
1	59	Deep Admane	BE	Nagpur	<div>Update</div>	<div>Delete</div>
2	23	Yash Ghule	SE	Nagpur	<div>Update</div>	<div>Delete</div>

Code:-

File Name: - struts.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE struts-config PUBLIC
    "-//Apache Software Foundation//DTD Struts Configuration 1.3//EN"
    "http://struts.apache.org/dtds/struts-config_1_3.dtd">
<struts-config>
    <form-beans>
        <form-bean name="LoginForm" type="com.example.struts.LoginForm"/>
    </form-beans>

    <action-mappings>
        <action path="/login" type="com.example.struts.LoginAction" name="LoginForm"
validate="true" input="/login.jsp">
            <forward name="success" path="/success.jsp"/>
        </action>
    </action-mappings>
    <message-resources parameter="com.example.struts.ApplicationResources"/>
</struts-config>
```

File Name: - web.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<web-app version="3.1" xmlns="http://xmlns.jcp.org/xml/ns/javaee"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee http://xmlns.jcp.org/xml/ns/javaee/web-
app_3_1.xsd">
    <filter>
        <filter-name>Login Validation</filter-name>
        <filter-class>org.apache.struts2.dispatcher.FilterDispatcher</filter-class>
    </filter>
    <filter-mapping>
        <filter-name>struts2</filter-name>
        <url-pattern>/*</url-pattern>
    </filter-mapping>
    <welcome-file-list>
        <welcome-file>login.jsp</welcome-file>
    </welcome-file-list>
</web-app>
```

File Name: - LoginAction.java

```
package com.myapp.struts;
import javax.servlet.http.HttpServletRequest;
import org.apache.struts.action.ActionErrors;
import org.apache.struts.action.ActionMapping;
import com.opensymphony.xwork2.ActionSupport;
import org.apache.struts.action.ActionMessage;
public class LoginAction extends ActionSupport {

    private String name;
    private String mobileno;
    private String email;

    public String getMobileno() {
        return mobileno;
    }

    public void setMobileno(String mobileno) {
        this.mobileno = mobileno;
    }

    public String getEmail() {
        return email;
    }

    public void setEmail(String email) {
        this.email = email;
    }

    public String getName() {
        return name;
    }

    public void setName(String string) {
        name = string;
    }

    public LoginAction() {
        super();
    }

    public ActionErrors validate(ActionMapping mapping, HttpServletRequest request) {
        ActionErrors errors = new ActionErrors();

        if (name == null || name.trim().equals("")) {
            errors.add("name", new ActionMessage("error.name.required"));
        } else if (!name.matches("[a-zA-Z ]+")) {
            errors.add("name", new ActionMessage("error.name.invalid"));
        }

        if (mobileno == null || mobileno.trim().equals("")) {
            errors.add("mobile", new ActionMessage("error.mobile.required"));
        } else if (!mobileno.matches("\\d{10}")) {
            errors.add("mobile", new ActionMessage("error.mobile.invalid"));
        }
    }
}
```

```

        errors.add("mobile", new ActionMessage("error.mobile.invalid"));
    }

    if (email == null || email.trim().equals("")) {
        errors.add("email", new ActionMessage("error.email.required"));
    } else if (!email.matches("[a-zA-Z0-9._%+-]+@[a-zA-Z0-9.-]+\\.[a-zA-Z]{2,}")) {
        errors.add("email", new ActionMessage("error.email.invalid"));
    }

    return errors;
}
}

```

File Name: - success.jsp

```

<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@taglib uri="/struts-tags" prefix="s" %>
<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <title>Success Page</title>
    </head>
    <body style="text-align:center; margin-top: 10%">
        <h1>Login Successful</h1>
    </body>
</html>

```

File Name: - login.jsp

```

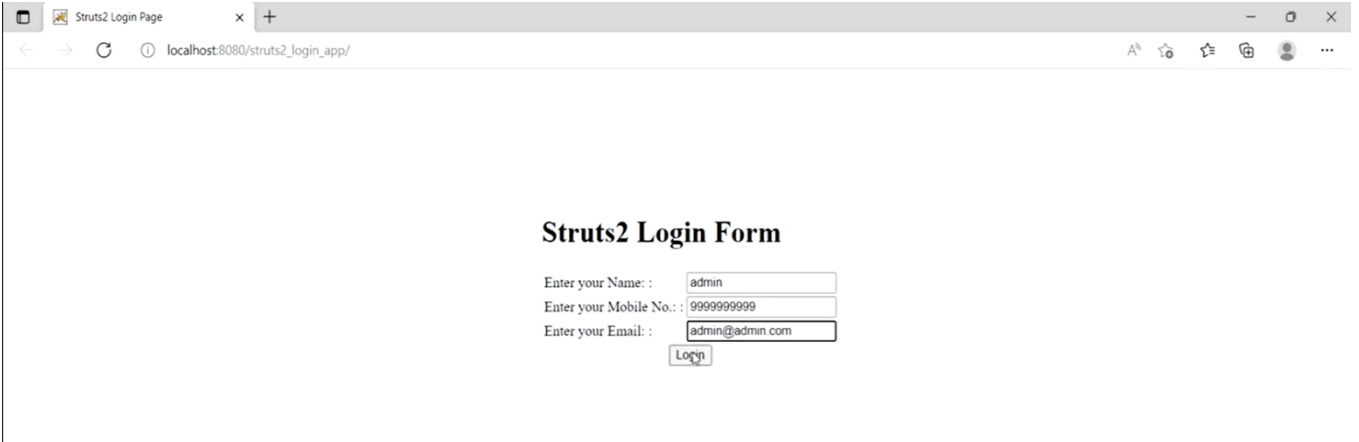
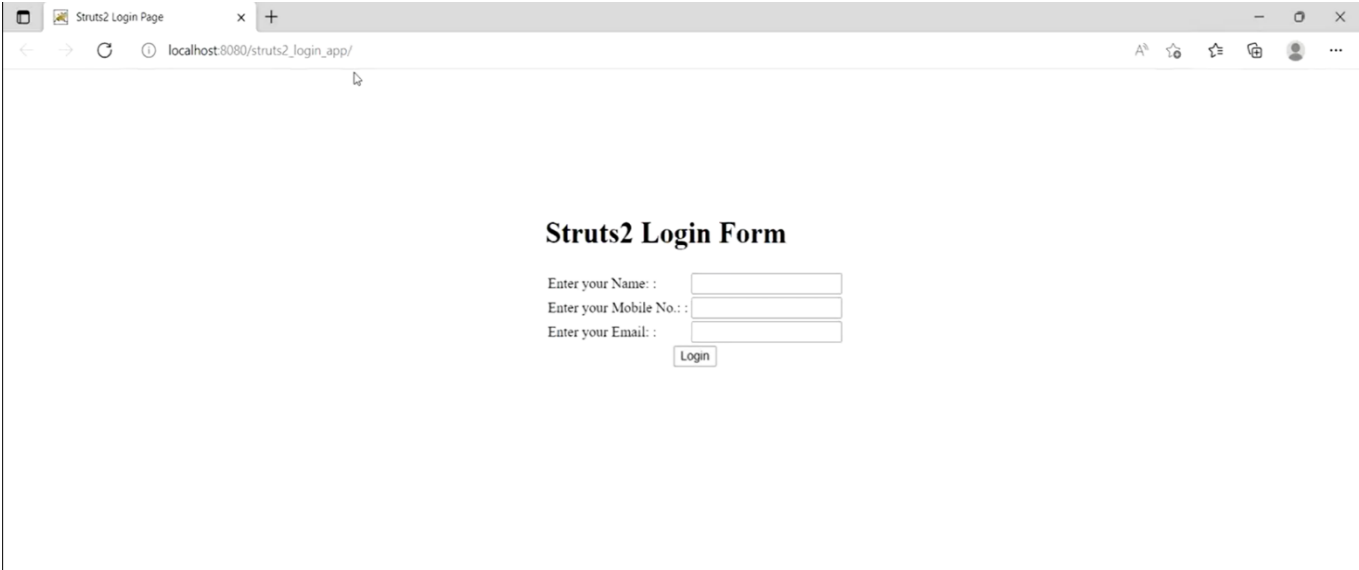
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@taglib uri="/struts-tags" prefix="s" %>
<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <title>Login Page</title>
    </head>
    <body style="margin-left: 40%; margin-top: 10%">
        <h1>Login Form</h1>
        <s:form action="login_action">
            <s:textfield name="name" label="Enter your Name: "/>
            <s:textfield name="mobilenno" label="Enter your Mobile No: "/>
            <s:textfield name="email" label="Enter your Email: "/>
            <s:submit value="Login" align="center"/>
        </s:form>
    </body>
</html>

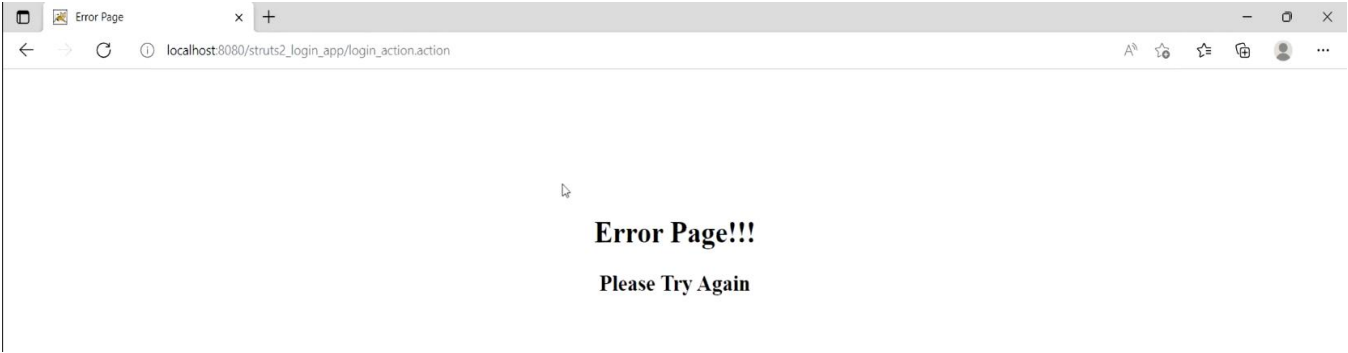
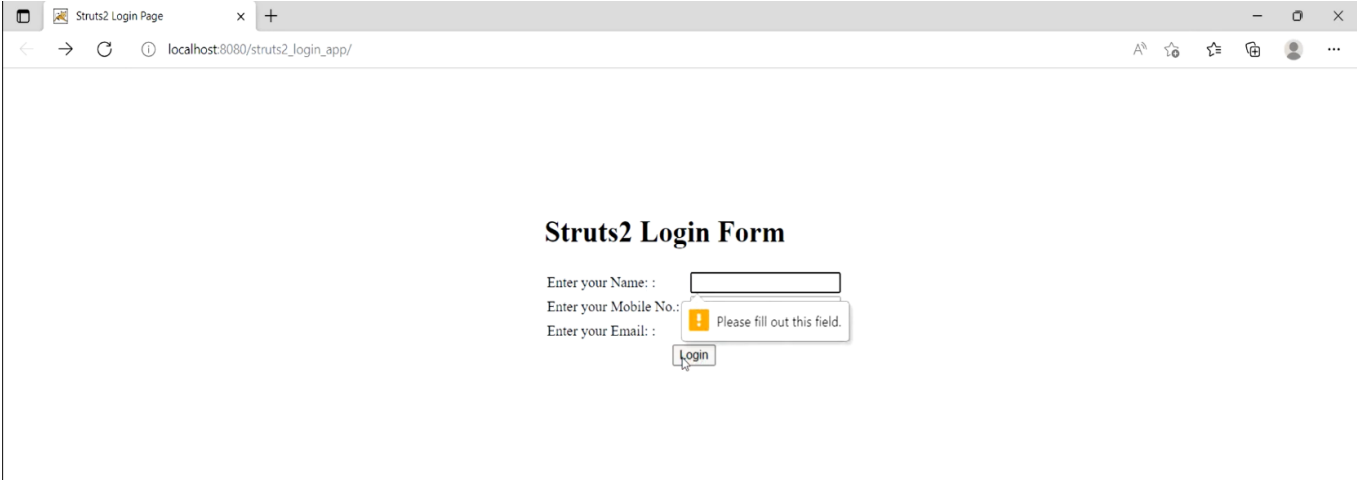
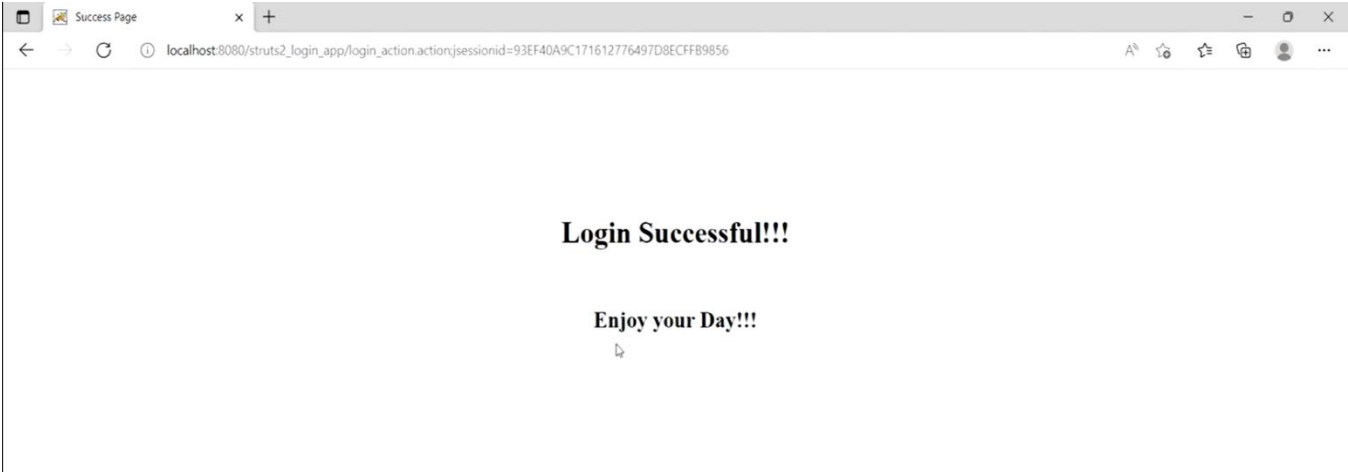
```

File Name: - error.jsp

```
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@taglib uri="/struts-tags" prefix="s" %>
<!DOCTYPE html>
<html>
  <head>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <title>Error Page</title>
  </head>
  <body style="text-align:center; margin-top: 10%">
    <h1>Error Page</h1>
  </body>
</html>
```

Output:





CODE: -

File Name: - index.html

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <title>Assignment-9</title>
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <script src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.2/jquery.min.js"></script>
  <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.2.26/angular.min.js"></script>
  <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.2.0/css/bootstrap.min.css">
  <script src="app.js"></script>
</head>
<body>
  <div ng-app = "myApp" class = "container" style="width:550px">
    <div style="text-align:center;color:rgb(15, 15, 15);background-color: rgb(202, 226, 248);">
      <h3><b>Registraion Form</b></h3>
    </div>
    <div ng-controller = "ContactController">
      <div align="right">
        <a href="#" ng-click="searchUser()">{{title}}</a>
      </div>
      <form role = "form" class="well" ng-hide="ifSearchUser">
        <div class = "form-group">
          <label for = "name"> Name: </label>
          <input type = "text" id = "name" class = "form-control" placeholder = "Enter
            Name " ng-model = "newcontact.name">
        </div>
        <div class = "form-group">
          <label for = "email"> Email: </label>
          <input type = "email" id = "email" class = "form-control" placeholder = "Enter
            Email " ng-model = "newcontact.email">
        </div>
        <div class = "form-group">
          <label for = "password"> Password: </label>
          <input type = "password" id = "password" class = "form-control" placeholder
            = "Enter Password " ng-model = "newcontact.password">
        </div>
        <div class = "form-group">
          <label for = "phone"> Phone: </label>
          <input type = "text" id = "phone" class = "form-control" placeholder = "Enter
            Phone " ng-model = "newcontact.phone">
        </div>
        <div class = "form-group">
          <label for = "age"> Age: </label>
          <input type = "text" id = "age" class = "form-control" placeholder = "Enter
            Age " ng-model = "newcontact.age">
        </div>
        <br>
        <input type="hidden" ng-model="newcontact.id">
        <input type="button" class="btn btn-primary" ng-click="saveContact()" class="btn
          btn-primary" value = "Submit">
      </form>
    </div>
  </div>
</body>
</html>
```

```
</form>
```

```
<div><h4><b>Registered Users</b></h4>
```

```
<table ng-if="contacts.length" class = "table table-striped table-bordered table-  
hover">
```

```
<thead>
```

```
<tr class = "info">
```

```
<th>Name</th>
```

```
<th>Email</th>
```

```
<th>Phone</th>
```

```
<th>Age</th>
```

```
<th ng-if="!ifSearchUser">Action</th>
```

```
</tr>
```

```
</thead>
```

```
<tbody>
```

```
<tr ng-repeat = "contact in contacts">
```

```
<td>{{ contact.name }}</td>
```

```
<td>{{ contact.email }}</td>
```

```
<td>{{ contact.phone }}</td>
```

```
<td>{{ contact.age }}</td>
```

```
<td ng-if="!ifSearchUser">
```

```
<a href="#" ng-click="edit(contact.id)" role = "button" class = "btn btn-  
info">edit</a> &nbsp;
```

```
<a href="#" ng-click="delete(contact.id)" role = "button" class = "btn btn-  
danger">delete</a>
```

```
</td>
```

```
</tr>
```

```
</tbody>
```

```
</table>
```

```
<div ng-hide="contacts.length > 0">No Users Found</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</body> </html>
```

File Name: - app.js

```
var myApp = angular.module("myApp", []);
```

```
myApp.service("ContactService" , function(){
```

```
var uid = 1;
```

```
var contacts = [{
```

```
'id' : 0,
```

```
'name' : 'Soham Rajput',
```

```
'email' : 'sohamrjp@gmail.com',
```

```
'password': 'Soham@112',
```

```
'phone' : '7821923100',
```

```
'age' : '20'}];
```

```
this.save = function(contact)
```

```
{
```

```
if(contact.id == null)
```

```
{ contact.id = uid
```

```
contacts.push(contact);
```

```
}
```

```
else
```



```

        {
            for(var i in contacts)
            {
                if(contacts[i].id == contact.id)
                {
                    contacts[i] = contact;
                }
            }
        }
    };

    this.get = function(id)
    {
        for(var i in contacts )
        {
            if( contacts[i].id == id)
            {
                return contacts[i];
            }
        }
    };

    this.delete = function(id)
    {
        for(var i in contacts)
        {
            if(contacts[i].id == id)
            {
                contacts.splice(i,1);
            }
        }
    };

    this.list = function()
    {
        return contacts;
    };
});

myApp.controller("ContactController" , function($scope , ContactService){
    console.clear();

    $scope.ifSearchUser = false;
    $scope.title ="List of Users";

    $scope.contacts = ContactService.list();

    $scope.saveContact = function()
    {
        console.log($scope.newcontact);
        if($scope.newcontact == null || $scope.newcontact == angular.undefined)
            return;
        ContactService.save($scope.newcontact);
        $scope.newcontact = {};
    };
    $scope.delete = function(id)
    {
        ContactService.delete(id);
        if($scope.newcontact != angular.undefined && $scope.newcontact.id == id)
        {
            $scope.newcontact = {};
        }
    };
});

```

```
$scope.edit = function(id)
{
    $scope.newcontact = angular.copy(ContactService.get(id));
};
$scope.searchUser = function(){
    if($scope.title == "List of Users"){
        $scope.ifSearchUser=true;
        $scope.title = "Back";
    }
    else
    {
        $scope.ifSearchUser = false;
        $scope.title = "List of Users";
    }
};
});
```

Output:

Registraion Form

List of Users

Name:

Enter Name

Email:

Enter Email

Password:

Enter Password

Phone:

Enter Phone

Age:

Enter Age

Submit

Registered Users

Name	Email	Phone	Age	Action
Soham Rajput	sohamrjp@gmail.com	7821923100	20	<div>edit</div> <div>delete</div>
Ram Bugul	rambugul07@gmail.com	9909389431	22	<div>edit</div> <div>delete</div>

Registraion Form

List of Users

Name:

Ram Bugul

Email:

rambugul07@gmail.com

Password:

Phone:

9909389431

Age:

22

Submit

Registered Users

Name	Email	Phone	Age	Action
Soham Rajput	sohamrjp@gmail.com	7821923100	20	<div>edit</div> <div>delete</div>

Registraion Form

Back

Registered Users

Name	Email	Phone	Age
Soham Rajput	sohamrjp@gmail.com	7821923100	20
Ram Bugul	rambugul07@gmail.com	9909389431	22

Code:-

Index.html

```
<html>
    <head>
        <title>Implement Bank Application using EJB</title>
        <meta charset="UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
    </head>
    <body>
        <form method="post" action="transact">
            <h1>Bank Application using EJB </h1>
            Enter Amount : <input type="text" name="t1" />
            <h3>Select option</h3>
            <input type="radio" name="transaction" value="deposit" />Deposit<br/>
            <input type="radio" name="transaction" value="withdraw" />Withdraw<br/>
            <input type="submit" value="submit" />
        </form>
    </body>
</html>
```

transact.java

```
import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
public class transact extends HttpServlet {
    protected void processRequest(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException
    {
        response.setContentType("text/html;charset=UTF-8");
        try
        {
            PrintWriter out = response.getWriter();
            String selectdType=request.getParameter("transact");
            int amount=Integer.parseInt(request.getParameter("t1"));
            if(selectdType.equals("deposit"))
            {
                bankTransact.deposit(amount);
            }
            if(selectdType.equals("withdraw"))
            {
                int amt=bankTransact.withdraw(amount);
                out.println(amount="successfully withdraw. Your Balance is: Rs"+ amt)
            }
        }
    }
}
private BankTransactLocal lookupBankTransactLocal()
{
    try
    {
        Context c= New initialContext();
        return(BankTransactLocal)c.Lookup("java.global/Bank/Bank-ejb/BankTransact!Bankexamp.Bank/Bank-
            ejb/BankTransactLocal")
    }
    catch (NamingException ne)
```

```

{
    Logger.getLogger(getClass().getName()).log(Level.SEVERE,"exception caught",ne))
    throw new RuntimeException(ne);
}
}

```

BankTransact.java

```

package bankexamp;
import javax.ejb.Stateful;
@Stateful
public class BankTransact implements BankTransactLocal{
    int balance=10000;
    @Override
    public int deposit (int amount){
        balance=balance+amount;
        return balance;
    }
    @Override
    public int withdraw (int amount){
        balance=balance-amount;
        return balance;
    }
}

```

Output:

