BHAGWAN MAHAVIR COLLEGE OF ENGINEERING AND TECHNOLOGY, SURAT

<u>CERTIFICATE</u>

THIS IS TO CERTIFY THAT MR./MRS..

...................................OF CLASS...

ENROLLMENT NO..........................HAS SATISFACTORILY SUBMITTED HIS/HER

TERM WORK IN SUBJECT ....FOR THE TERM

ENDING IN YEAR.............................

DATE:

SIGN OF SUBJECT TEACHER   SIGN OF H.O.D
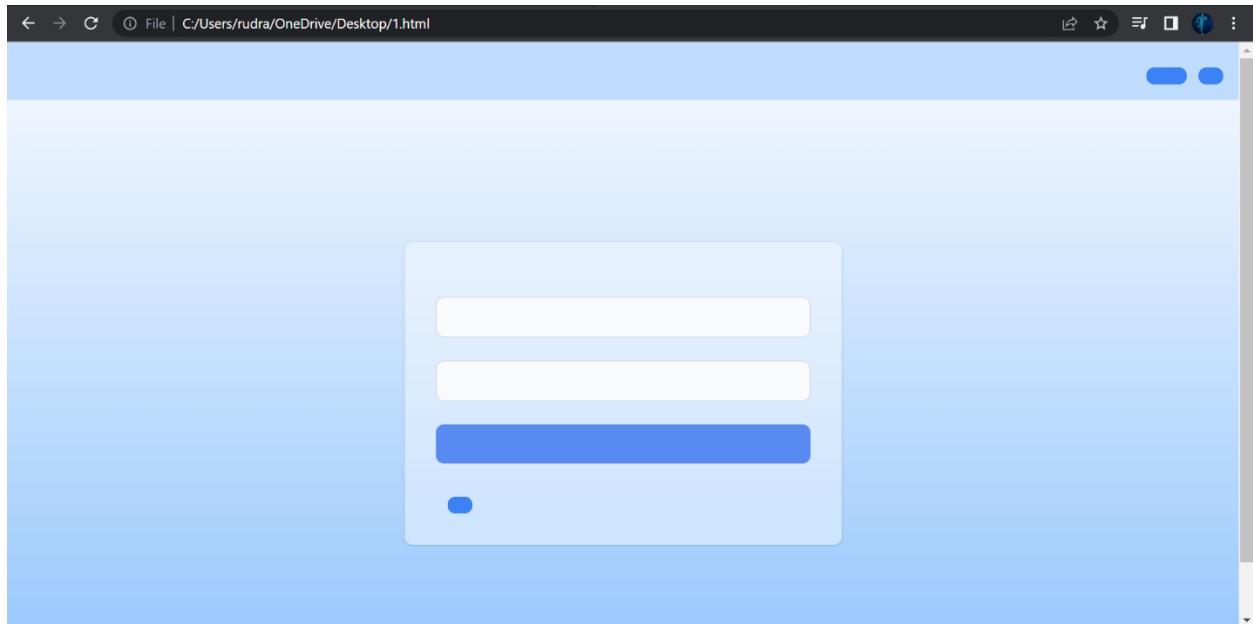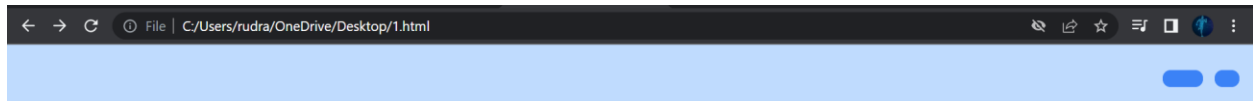
INDEX:

Practical -1

Aim: - Design Wireframes for your semester project based on Web Design Principles (Tools like, www.cacoo.com, www.gliffy.com)

Practical -2

Aim: - Formatting web pages with CSS (Inline CSS, Document level CSS and External CSS) [Create semester project website's home page].

Inline CSS files: -

Font.css: -

```
@font-face {
   font-family: 'Open Sans';
   font-style: normal;
   font-weight: 400;
   src: local('Open Sans'), local('OpenSans'),
url(http://themes.googleusercontent.com/static/fonts/opensans/v8/cJZKeOuBrn4kERxqtaUH3T8
E0i7KZn-EPnyo3HZu7kw.woff) format('woff');
 }
```

Index.css: -

```
body { line-height: 1; margin: auto; padding: auto; }
html, body { width: 100%; height: 100%; overflow: hidden; }
a:link { text-decoration: none; }
.intro { position: absolute; left: 0; top:20%; padding: 0 20px;  width: 100%;  text-align: center; }
 h1 {
   color: #fff;
   text-transform: uppercase;
   font-size: 100px;
   font-weight: 700;
   letter-spacing: 0.015em;
 }
 h1::after {
   content: '';
   width: 200px;
   display: block;
   background: #ffee58;
   height: 6px;
   margin: 30px auto;
   line-height: 1.1;
 }
 .btn {
   display: inline-block;
   padding: 15px 30px;
   border: 2px solid #fff;
   text-transform: uppercase;
   letter-spacing: 0.015em;
```

4

```css
  font-size: 18px;
  font-weight: 600;
  line-height: 1;
  color: #fff;
  text-decoration: none;
  -webkit-transition: all 0.4s;
    -moz-transition: all 0.4s;
      -o-transition: all 0.4s;
        transition: all 0.4s;
}
.btn:hover {
  color: #000;
  border-color: #fff;
  background-color: #607d8b;
}
h2 {
  color: #ffd600;
  text-transform: uppercase;
  font-size: 35px;
  font-weight: 700;
  letter-spacing: 0.015em;
}

@media only screen and (max-width: 1000px) {
 h1 {
   font-size: 70px;
  }
}

@media only screen and (max-width: 800px) {
 h1 {
   font-size: 48px;
  }
 h1::after {
   height: 8px;
  }
}
@media only screen and (max-width: 550px) {
 .btn {
 display: inline-block;
 padding: 5px 15px;
 border: 2px solid #fff;
 text-transform: uppercase;
 letter-spacing: 0.009em;
 font-size: 13px;
 font-weight: 400;
 line-height: 1;
```

```css
   color: #fff;
   text-decoration: none;
   -webkit-transition: all 0.4s;
     -moz-transition: all 0.4s;
       -o-transition: all 0.4s;
         transition: all 0.4s;
  }
 }

 @media only screen and (max-width: 430px) {
  .btn {
  display: inline-block;
  padding: 5px 10px;
  border: 1px solid #fff;
  text-transform: uppercase;
  letter-spacing: 0.005em;
  font-size: 10px;
  font-weight: 400;
  line-height: 1;
  color: #fff;
  text-decoration: none;
  -webkit-transition: all 0.4s;
    -moz-transition: all 0.4s;
      -o-transition: all 0.4s;
        transition: all 0.4s;
  }
 }

 @media only screen and (max-width: 568px) {
  .intro {
   padding: 0 10px;
  }
  h1 {
   font-size: 30px;
  }
  h1::after {
   height: 6px;
  }
  p {
   font-size: 18px;
  }
  .btn {
   font-size: 16px;
  }
 }

 @media only screen and (max-width: 320px) {
```

```
  h1 {
    font-size: 28px;
  }
  h1::after {
    height: 4px;
  }
}
```

1. **Index.php**

```
<!DOCTYPE html>

<html lang="en">


<head>

  <meta charset="UTF-8" />

  <meta http-equiv="X-UA-Compatible" content="IE=edge" />

  <meta name="viewport" content="width=device-width, initial-scale=1.0" />

  <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/tailwindcss@2.2.15/dist/tailwind.min.css" />

  <link href="https://fonts.cdnfonts.com/css/sf-pro-display" rel="stylesheet" />

  <title>Career Guidance</title>

  <style>

    {% load static %}

    body {

      background-image: url({% static 'images/career.jpg' %});

      background-repeat: no-repeat;

      background-size: 600px;

      background-position: right 100px;

      font-family: "SF Pro Display", sans-serif;

    }
```

```
      </style>

    </head>


    <body>

     <nav class="bg-blue-200 border-gray-200 dark:bg-gray-900">

      <div class="max-w-screen-xl flex flex-wrap items-center justify-between mx-auto p-4">

        <div class="flex md:order-2">

         <form action="login">

          <button

            class="bg-blue-500 border border-blue-500 text-white hover:bg-blue-800 hover:text-
white font-medium rounded-lg text-sm px-5 py-2 text-center mr-3 md:mr-0">

             Log in

           </button>

          </form>

          <form action="signup">

           <button

             class="bg-blue-500 border border-blue-500 text-white hover:bg-blue-800 hover:text-
white font-medium rounded-lg text-sm px-3 py-2 text-center mr-3 md:mr-0 ml-3">

              Sign Up

            </button>

           </form>

           <button data-collapse-toggle="navbar-cta" type="button"

             class="inline-flex items-center p-2 text-sm text-blue-500 rounded-lg md:hidden hover:bg-
blue-100"

             aria-controls="navbar-cta" aria-expanded="false">

             <span class="sr-only">Open main menu</span>

             <svg class="w-6 h-6" aria-hidden="true" fill="currentColor" viewBox="0 0 20 20"
```

```
        xmlns="http://www.w3.org/2000/svg">

        <path fill-rule="evenodd"

          d="M3 5a1 1 0 011-1h12a1 1 0 110 2H4a1 1 0 01-1-1zM3 10a1 1 0 011-1h12a1 1 0 110
2H4a1 1 0 01-1-1zM3 15a1 1 0 011-1h12a1 1 0 110 2H4a1 1 0 01-1-1z"

          clip-rule="evenodd"></path>

      </svg>

     </button>

    </div>

    <div class="items-center justify-between hidden w-full md:flex md:w-auto md:order-1"
id="navbar-cta">

      <ul

        class="flex flex-col font-medium p-4 md:p-0 mt-4 border border-gray-100 rounded-lg bg-
gray-50 md:flex-row md:space-x-8 md:mt-0 md:border-0 md:bg-blue-200">

        <li>

         <form action="">

          <button class="block py-2 pl-3 pr-4 text-blue-700 rounded hover:bg-gray-100
md:hover:bg-transparent md:hover:text-gray-700 md:p-0">Home</button>

         </form>

        </li>

        <li>

         <form action="about">

          <button type="submit" class="block py-2 pl-3 pr-4 text-blue-700 rounded hover:bg-gray-
100 md:hover:bg-transparent md:hover:text-gray-700 md:p-0">About Us</button>

         </form>

        </li>

       </ul>

      </div>
```

```
        </div>

      </nav>


        <div class="w-full bg-white rounded-lg shadow dark:border bg-opacity-10">

        <section class="text-gray-600  body-font py-14">

          <div class="container px-5 py-14 mx-auto flex flex-wrap">

            <div class="md:w-3/5 md:pl-6">

              <h1 class="leading-relaxed text-3xl font-bold mb-7 text-xl">

                Inteligence carrer guidance system

              </h1>

              <p>Discover Your Self</p>

              <p class="mb-7">

                Take the test to find the perfect role for you after Engineering

              </p>

              <div class="flex md:mt-4 mt-6">

                <form action="field">

                  <button

                    class="inline-flex text-white bg-blue-500 border-0 py-1 px-4 focus:outline-none
hover:bg-indigo-600 rounded-2xl">

                    Get Started &#8594;

                  </button>

                </form>

              </div>

              <div class="flex md:mt-4 mt-6">

                <form action="logout">

                  <button
```

```
                class="inline-flex text-white bg-blue-500 border-0 py-1 px-4 focus:outline-none
hover:bg-indigo-600 rounded-2xl">

                Log Out

            </button>

          </form>

        </div>

       </div>

      </div>

     </section>

    </div>

   </body>


   </html>
```
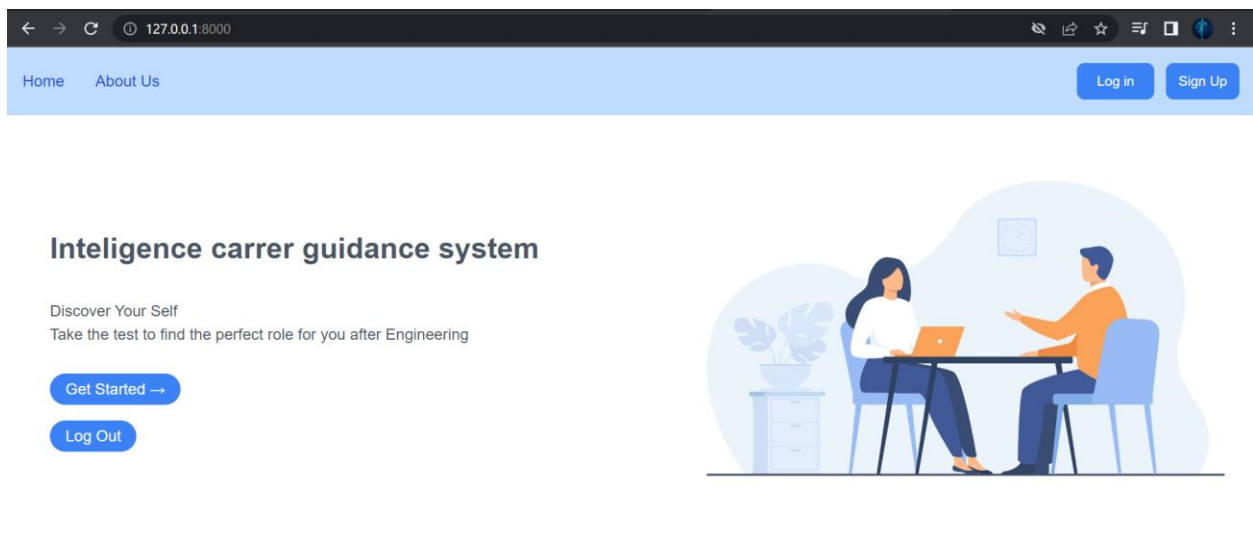
Output: -

Practical -3

ssss

Aim: - Formatting web pages with CSS [Create semester project website's inner pages]

External CSS files: -

Index.css: -

```
body { line-height: 1; margin: auto; padding: auto; }
html, body { width: 100%; height: 100%; overflow: hidden; }
a:link { text-decoration: none; }
.intro { position: absolute; left: 0; top:20%; padding: 0 20px;  width: 100%;  text-align: center; }
 h1 {
   color: #fff;
   text-transform: uppercase;
   font-size: 100px;
   font-weight: 700;
   letter-spacing: 0.015em;
 }
 h1::after {
   content: '';
   width: 200px;
   display: block;
   background: #ffee58;
   height: 6px;
   margin: 30px auto;
   line-height: 1.1;
 }
 .btn {
   display: inline-block;
   padding: 15px 30px;
   border: 2px solid #fff;
   text-transform: uppercase;
   letter-spacing: 0.015em;
   font-size: 18px;
   font-weight: 600;
   line-height: 1;
   color: #fff;
   text-decoration: none;
   -webkit-transition: all 0.4s;
     -moz-transition: all 0.4s;
       -o-transition: all 0.4s;
         transition: all 0.4s;
 }
  .btn:hover {
```

```css
  color: #000;
  border-color: #fff;
  background-color: #607d8b;
 }
 h2 {
  color: #ffd600;
  text-transform: uppercase;
  font-size: 35px;
  font-weight: 700;
  letter-spacing: 0.015em;
 }

 @media only screen and (max-width: 1000px) {
  h1 {
   font-size: 70px;
  }
 }

 @media only screen and (max-width: 800px) {
  h1 {
   font-size: 48px;
  }
  h1::after {
   height: 8px;
  }
 }
 @media only screen and (max-width: 550px) {
  .btn {
  display: inline-block;
  padding: 5px 15px;
  border: 2px solid #fff;
  text-transform: uppercase;
  letter-spacing: 0.009em;
  font-size: 13px;
  font-weight: 400;
  line-height: 1;
  color: #fff;
  text-decoration: none;
  -webkit-transition: all 0.4s;
    -moz-transition: all 0.4s;
      -o-transition: all 0.4s;
        transition: all 0.4s;
  }
 }

 @media only screen and (max-width: 430px) {
  .btn {
```

```css
  display: inline-block;
  padding: 5px 10px;
  border: 1px solid #fff;
  text-transform: uppercase;
  letter-spacing: 0.005em;
  font-size: 10px;
  font-weight: 400;
  line-height: 1;
  color: #fff;
  text-decoration: none;
  -webkit-transition: all 0.4s;
    -moz-transition: all 0.4s;
     -o-transition: all 0.4s;
        transition: all 0.4s;
  }
 }

 @media only screen and (max-width: 568px) {
  .intro {
   padding: 0 10px;
  }
  h1 {
   font-size: 30px;
  }
  h1::after {
   height: 6px;
  }
  p {
   font-size: 18px;
  }
  .btn {
   font-size: 16px;
  }
 }

 @media only screen and (max-width: 320px) {
  h1 {
   font-size: 28px;
  }
  h1::after {
   height: 4px;
  }
 }
```

welcome.css: -

```css
* {box-sizing: border-box;}
```

```css
body {
  background-color: #0b9164;
  margin: 0;
  font-family: Noto Sans;
}

.header {
  text-align: center;
  overflow: hidden;
  background-color: #0b9164;
  padding: 20px 10px;
  text-decoration: none;
}

.header a, .header .logo {
  color: rgb(255, 255, 255);
  text-align: center;
  padding: 12px;
  text-decoration: none;
  font-size: 18px;
  line-height: 10px;
  border-radius: 4px;
}

.header .logo {
  color:#fff;
  font-size: 25px;
  font-weight: bold;
}

@media screen and (max-width: 500px) {
  .header a {
    font-size: 15px;
    display: inherit;
    text-align: left;
  }
  .header-right {
    padding-top: 10%;
     font-size: 15px;
    float: none;
  }
}
.panel{
  border-color:rgb(0, 0, 0);
  margin:40px;
  padding:20px;
```

```
 font: 15px "Noto Sans";
 }
```

1. **welcome.php**

```php
<?php
  include_once 'database.php';
  session_start();
  if(!(isset($_SESSION['email'])))
  {
    header("location:login.php");
  }
  else
  {
    $name = $_SESSION['name'];
    $email = $_SESSION['email'];
    include_once 'database.php';
  }
?>
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Welcome | Online Quiz System</title>
  <link  rel="stylesheet" href="css/bootstrap.min.css"/>
  <link  rel="stylesheet" href="css/bootstrap-theme.min.css"/>
```

```
    <link rel="stylesheet" href="css/welcome.css">

    <link  rel="stylesheet" href="css/font.css">

    <script src="js/jquery.js" type="text/javascript"></script>

    <script src="js/bootstrap.min.js"  type="text/javascript"></script>

</head>

<body>

    <nav class="navbar navbar-default title1">

        <div class="container-fluid">

            <div class="navbar-header">

            <button type="button" class="navbar-toggle collapsed" data-toggle="collapse" data-target="#bs-
example-navbar-collapse-1" aria-expanded="false">

                <span class="sr-only">Toggle navigation</span>

                <span class="icon-bar"></span>

                <span class="icon-bar"></span>

                <span class="icon-bar"></span>

            </button>

        <a class="navbar-brand" href="#"><b>Online Quiz System</b></a>

        </div>


        <!-- Collect the nav links, forms, and other content for toggling -->

        <div class="collapse navbar-collapse" id="bs-example-navbar-collapse-1">

        <ul class="nav navbar-nav navbar-left">

            <li <?php if(@$_GET['q']==1) echo'class="active"'; ?> ><a href="welcome.php?q=1"><span
class="glyphicon glyphicon-home" aria-hidden="true"></span> Home<span class="sr-
only">(current)</span></a></li>

            <li <?php if(@$_GET['q']==2) echo'class="active"'; ?>> <a href="welcome.php?q=2"><span
class="glyphicon glyphicon-list-alt" aria-hidden="true"></span> History</a></li>
```

```php
    <li <?php if(@$_GET['q']==3) echo'class="active"'; ?>> <a href="welcome.php?q=3"><span
class="glyphicon glyphicon-stats" aria-hidden="true"></span> Ranking</a></li>

    </ul>

    <ul class="nav navbar-nav navbar-right">

    <li <?php echo''; ?> > <a href="logout.php?q=welcome.php"><span class="glyphicon glyphicon-log-
out" aria-hidden="true"></span> Log out</a></li>

    </ul>

    </div>

  </div>

  </nav>

  <br><br>

  <div class="container">

    <div class="row">

      <div class="col-md-12">

        <?php if(@$_GET['q']==1)

        {

            $result = mysqli_query($con,"SELECT * FROM quiz ORDER BY date DESC") or die('Error');

            echo  '<div class="panel"><div class="table-responsive"><table class="table table-striped
title1">

<tr><td><center><b>S.N.</b></center></td><td><center><b>Topic</b></center></td><td><center><b
>Total
question</b></center></td><td><center><b>Marks</center></b></td><td><center><b>Action</b></c
enter></td></tr>';

            $c=1;

            while($row = mysqli_fetch_array($result)) {

              $title = $row['title'];

              $total = $row['total'];
```

```php
        $sahi = $row['sahi'];

        $eid = $row['eid'];

    $q12=mysqli_query($con,"SELECT score FROM history WHERE eid='$eid' AND
email='$email'" )or die('Error98');

    $rowcount=mysqli_num_rows($q12);

    if($rowcount == 0){

        echo
'<tr><td><center>'.$c++.'</center></td><td><center>'.$title.'</center></td><td><center>'.$total.'</center></td><td><center>'.$sahi*$total.'</center></td><td><center><b><a
href="welcome.php?q=quiz&step=2&eid='.$eid.'&n=1&t='.$total.'" class="btn sub1"
style="color:black;margin:0px;background:#1de9b6"><span class="glyphicon glyphicon-new-window"
aria-hidden="true"></span> <span
class="title1"><b>Start</b></span></a></b></center></td></tr>';

        }

        else

        {

        echo '<tr
style="color:#99cc32"><td><center>'.$c++.'</center></td><td><center>'.$title.' <span title="This
quiz is already solve by you" class="glyphicon glyphicon-ok" aria-
hidden="true"></span></center></td><td><center>'.$total.'</center></td><td><center>'.$sahi*$total.'
</center></td><td><center><b><a href="update.php?q=quizre&step=25&eid='.$eid.'&n=1&t='.$total.'"
class="pull-right btn sub1" style="color:black;margin:0px;background:red"><span class="glyphicon
glyphicon-repeat" aria-hidden="true"></span> <span
class="title1"><b>Restart</b></span></a></b></center></td></tr>';

        }

        }

        $c=0;

        echo '</table></div></div>';

    }?>

    <?php

    if(@$_GET['q']== 'quiz' && @$_GET['step']== 2)
```

```php
        {

            $eid=@$_GET['eid'];

            $sn=@$_GET['n'];

            $total=@$_GET['t'];

            $q=mysqli_query($con,"SELECT * FROM questions WHERE eid='$eid' AND sn='$sn' " );

            echo '<div class="panel" style="margin:5%">';

            while($row=mysqli_fetch_array($q) )

            {

                $qns=$row['qns'];

                $qid=$row['qid'];

                echo '<b>Question  '.$sn.' ::<br /><br />'.$qns.'</b><br /><br />';

            }

            $q=mysqli_query($con,"SELECT * FROM options WHERE qid='$qid' " );

            echo '<form
action="update.php?q=quiz&step=2&eid='.$eid.'&n='.$sn.'&t='.$total.'&qid='.$qid.'" method="POST"
class="form-horizontal">

            <br />';

            while($row=mysqli_fetch_array($q) )

            {

                $option=$row['option'];

                $optionid=$row['optionid'];

                echo'<input type="radio" name="ans" value="'.$optionid.'"> '.$option.'<br /><br
/>';

            }

            echo'<br /><button type="submit" class="btn btn-primary"><span class="glyphicon
glyphicon-lock" aria-hidden="true"></span> Submit</button></form></div>';

        }
```

```php
            if(@$_GET['q']== 'result' && @$_GET['eid'])

        {

           $eid=@$_GET['eid'];

           $q=mysqli_query($con,"SELECT * FROM history WHERE eid='$eid' AND email='$email' " )or
die('Error157');

           echo  '<div class="panel">

           <center><h1 class="title" style="color:#660033">Result</h1><center><br /><table
class="table table-striped title1" style="font-size:20px;font-weight:1000;">';

           while($row=mysqli_fetch_array($q) )

           {

              $s=$row['score'];

              $w=$row['wrong'];

              $r=$row['sahi'];

              $qa=$row['level'];

              echo '<tr style="color:#66CCFF"><td>Total Questions</td><td>'.$qa.'</td></tr>

                 <tr style="color:#99cc32"><td>right Answer <span class="glyphicon glyphicon-
ok-circle" aria-hidden="true"></span></td><td>'.$r.'</td></tr>

                 <tr style="color:red"><td>Wrong Answer <span class="glyphicon glyphicon-
remove-circle" aria-hidden="true"></span></td><td>'.$w.'</td></tr>

                 <tr style="color:#66CCFF"><td>Score <span class="glyphicon glyphicon-star"
aria-hidden="true"></span></td><td>'.$s.'</td></tr>';

           }

           $q=mysqli_query($con,"SELECT * FROM rank WHERE  email='$email' " )or die('Error157');

           while($row=mysqli_fetch_array($q) )

           {

              $s=$row['score'];

              echo '<tr style="color:#990000"><td>Overall Score <span class="glyphicon
glyphicon-stats" aria-hidden="true"></span></td><td>'.$s.'</td></tr>';
```

```php
        }

        echo '</table></div>';

    }

?>

<?php

   if(@$_GET['q']== 2)

   {

        $q=mysqli_query($con,"SELECT * FROM history WHERE email='$email' ORDER BY date
DESC " )or die('Error197');

        echo  '<div class="panel title">

        <table class="table table-striped title1" >

        <tr
style="color:black;"><td><center><b>S.N.</b></center></td><td><center><b>Quiz</b></center></td>
<td><center><b>Question
Solved</b></center></td><td><center><b>Right</b></center></td><td><center><b>Wrong<b></cent
er></td><td><center><b>Score</b></center></td>';

        $c=0;

        while($row=mysqli_fetch_array($q) )

        {

        $eid=$row['eid'];

        $s=$row['score'];

        $w=$row['wrong'];

        $r=$row['sahi'];

        $qa=$row['level'];

        $q23=mysqli_query($con,"SELECT title FROM quiz WHERE  eid='$eid' " )or die('Error208');

        while($row=mysqli_fetch_array($q23) )

        { $title=$row['title']; }
```

```php
            $c++;

            echo
'<tr><td><center>'.$c.'</center></td><td><center>'.$title.'</center></td><td><center>'.$qa.'</center>
</td><td><center>'.$r.'</center></td><td><center>'.$w.'</center></td><td><center>'.$s.'</center></t
d></tr>';

            }

            echo'</table></div>';

        }


        if(@$_GET['q']== 3)

        {

            $q=mysqli_query($con,"SELECT * FROM rank ORDER BY score DESC " )or die('Error223');

            echo  '<div class="panel title"><div class="table-responsive">

            <table class="table table-striped title1" >

            <tr
style="color:red"><td><center><b>Rank</b></center></td><td><center><b>Name</b></center></td>
<td><center><b>Email</b></center></td><td><center><b>Score</b></center></td></tr>';

            $c=0;


            while($row=mysqli_fetch_array($q) )

            {

                $e=$row['email'];

                $s=$row['score'];

                $q12=mysqli_query($con,"SELECT * FROM user WHERE email='$e' " )or die('Error231');

                while($row=mysqli_fetch_array($q12) )

                {

                    $name=$row['name'];
```

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```
                    }

                    $c++;

                    echo '<tr><td
style="color:black"><center><b>'.$c.'</b></center></td><td><center>'.$name.'</center></td><td><ce
nter>'.$e.'</center></td><td><center>'.$s.'</center></td></tr>';

                }

                echo '</table></div></div>';

            }

        ?>

</body>

</html>
```

Output: -

Home   About Us   Log in   Sign Up

Result

You should choose this field : Technical Support

Home › Careerguide › Careerpredictions

Start typing to filter...

AUTHENTICATION AND AUTHORIZATION

Groups   + Add

Users   + Add

CAREERGUIDE

Careerpredictions   + Add

«

Select careerprediction to change   ADD CAREERPREDICTION +

Action: --------- ⌄ Go   0 of 7 selected

☐ CAREERPREDICTION

☐ Careerprediction object (7)

☐ Careerprediction object (6)

☐ Careerprediction object (5)

☐ Careerprediction object (4)

☐ Careerprediction object (3)

☐ Careerprediction object (2)

☐ Careerprediction object (1)

7 careerpredictions
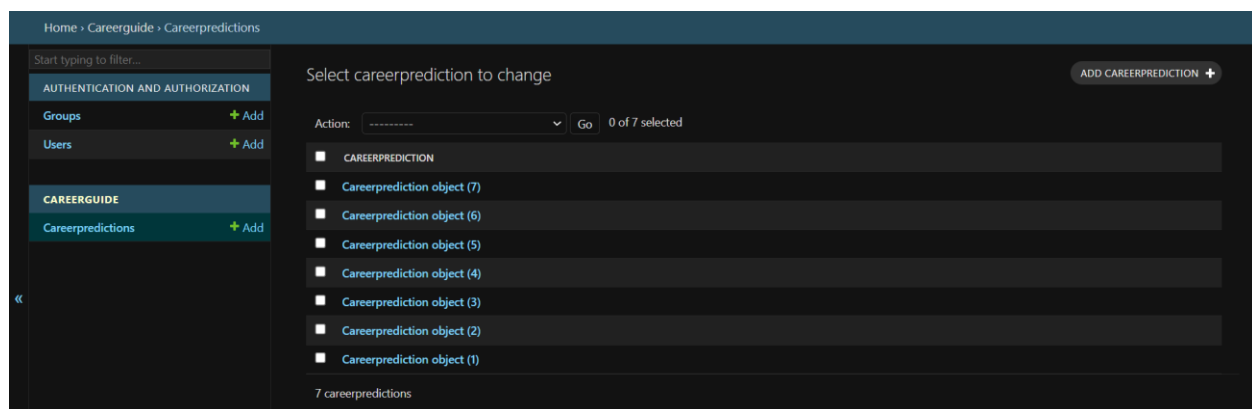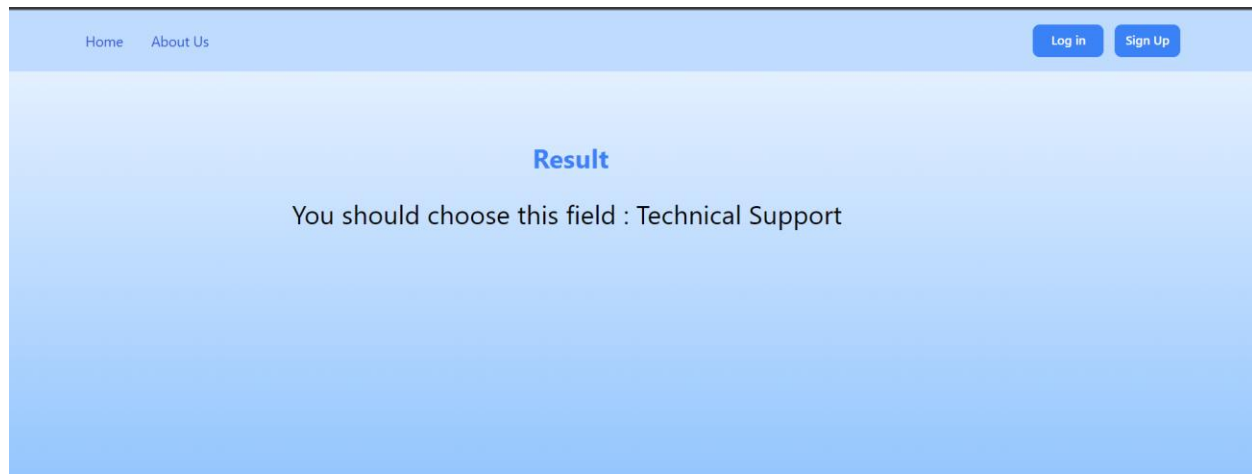
Practical -4

Aim: - Browser interaction and form validations (Web browser environments, forms and validations, image sliders) [Image slider plugins of jQuery, Client-side validation of Registration & Login page to be created in semester project website].

1. **Register.php**

```php
<?php

    include("database.php");

    session_start();


    if(isset($_POST['submit']))

    {

            $name = $_POST['name'];

            $name = stripslashes($name);

            $name = addslashes($name);


            $email = $_POST['email'];

            $email = stripslashes($email);

            $email = addslashes($email);


            $password = $_POST['password'];

            $password = stripslashes($password);

            $password = addslashes($password);


            $college = $_POST['college'];

            $college = stripslashes($college);
```

```php
        $college = addslashes($college);

        $str="SELECT email from user WHERE email='$email'";

        $result=mysqli_query($con,$str);


        if((mysqli_num_rows($result))>0)

        {

    echo "<center><h3><script>alert('Sorry.. This email is already registered
!!');</script></h3></center>";

    header("refresh:0;url=login.php");

  }

        else

        {

    $str="insert into user set
name='$name',email='$email',password='$password',college='$college'";

                if((mysqli_query($con,$str)))

                echo "<center><h3><script>alert('Congrats.. You have successfully registered
!!');</script></h3></center>";

                header('location: welcome.php?q=1');

        }

 }

?>

<!DOCTYPE html>

<html>

    <head>

        <meta charset="UTF-8">

        <meta name="viewport" content="width=device-width, initial-scale=1.0">

        <meta http-equiv="X-UA-Compatible" content="ie=edge">
```

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```html
        <title>Register | Online Quiz System</title>

        <link rel="stylesheet" href="scripts/bootstrap/bootstrap.min.css">

        <link rel="stylesheet" href="scripts/ionicons/css/ionicons.min.css">

        <link rel="stylesheet" href="css/form.css">

    <style type="text/css">

      body{

        width: 100%;

        background: url(image/book.png) ;

        background-position: center center;

        background-repeat: no-repeat;

        background-attachment: fixed;

        background-size: cover;

       }

     </style>

       </head>

       <body>

            <section class="login first grey">

                    <div class="container">

                         <div class="box-wrapper">

                                <div class="box box-border">

                                     <div class="box-body">

                                        <center> <h5 style="font-family: Noto
Sans;">Register to </h5><h4 style="font-family: Noto Sans;">Online Quiz System</h4></center><br>

                                        <form method="post" action="register.php"
enctype="multipart/form-data">

                        <div class="form-group">
```
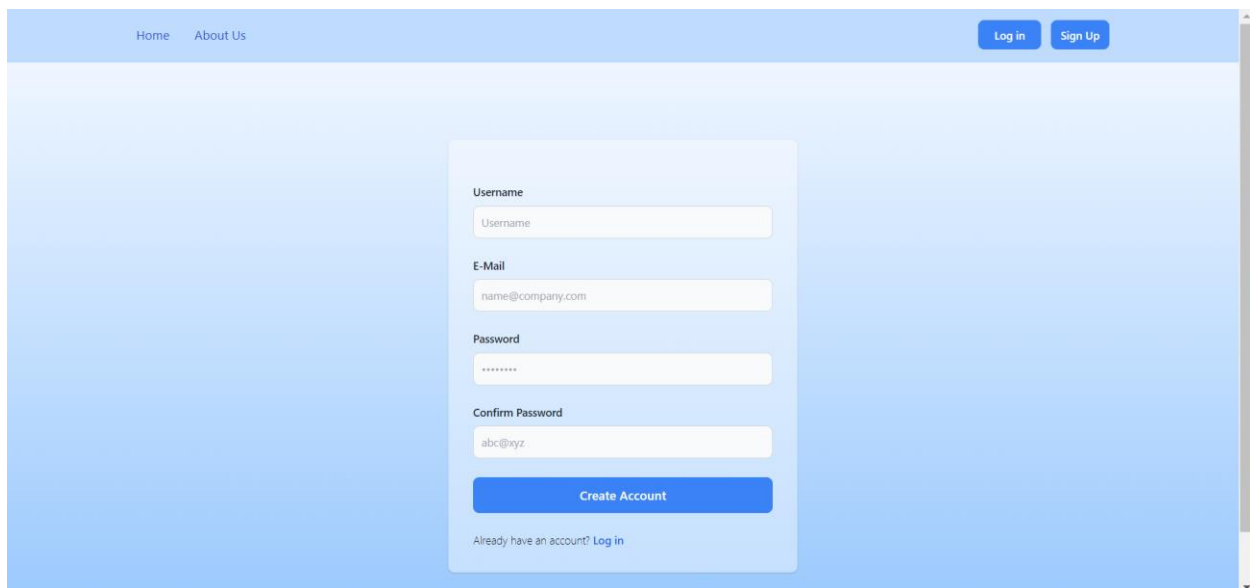
```
<label>Enter Your Username:</label>

<input type="text" name="name" class="form-control" required />
        </div>

<div class="form-group">

                                                           <label>Enter Your Email
Id:</label>

<input type="email" name="email" class="form-control" required />

        </div>

<div class="form-group">

<label>Enter Your Password:</label>

<input type="password" name="password" class="form-control" required />

                </div>

<div class="form-group">

<label>Enter Your College Name:</label>

<input type="text" name="college" class="form-control" required />

                                                </div>


<div class="form-group text-right">

<button class="btn btn-primary btn-block" name="submit">Register</button>

                                                </div>

<div class="form-group text-center">

<span class="text-muted">Already have an account! </span> <a href="login.php">Login </a> Here..

                                                </div>

                                        </form>

                                </div>

                        </div>
```

```
                              </div>

                          </div>

                  </section>

                  <script src="js/jquery.js"></script>

                  <script src="scripts/bootstrap/bootstrap.min.js"></script>

          </body>

  </html>
```

Output: -

Practical -5

Aim: - Introduction to PHP (Starting to script on server side, Arrays, function, validations) [Server-side validations for Registration and Login page of semester project website]

server-side validations for a registration page:

```php
<?php
// define variables and set to empty values
$nameErr = $emailErr = $passwordErr = "";
$name = $email = $password = "";

if ($_SERVER["REQUEST_METHOD"] == "POST") {
 if (empty($_POST["name"])) {
  $nameErr = "Name is required";
 } else {
  $name = test_input($_POST["name"]);
  // check if name only contains letters and whitespace
  if (!preg_match("/^[a-zA-Z ]*$/",$name)) {
   $nameErr = "Only letters and white space allowed";
  }
 }

 if (empty($_POST["email"])) {
  $emailErr = "Email is required";
 } else {
  $email = test_input($_POST["email"]);
  // check if email address is well-formed
  if (!filter_var($email, FILTER_VALIDATE_EMAIL)) {
   $emailErr = "Invalid email format";
  }
 }

 if (empty($_POST["password"])) {
  $passwordErr = "Password is required";
 } else {
  $password = test_input($_POST["password"]);
  // check if password contains at least one lowercase letter, one uppercase letter, one number,
and one special character
  if (!preg_match("/^(?=.*[a-z])(?=.*[A-Z])(?=.*\d)(?=.*[@$!%*?&])[A-Za-
z\d@$!%*?&]{8,}$/",$password)) {
    $passwordErr = "Password must contain at least one lowercase letter, one uppercase letter,
one number, and one special character, and be at least 8 characters long";
  }
```

```
 }
}

function test_input($data) {
 $data = trim($data);
 $data = stripslashes($data);
 $data = htmlspecialchars($data);
 return $data;
}
?>

<form method="post" action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]);?>">
 Name: <input type="text" name="name">
 <span class="error">* <?php echo $nameErr;?></span>
 <br><br>
 E-mail: <input type="text" name="email">
 <span class="error">* <?php echo $emailErr;?></span>
 <br><br>
 Password: <input type="password" name="password">
 <span class="error">* <?php echo $passwordErr;?></span>
 <br><br>
 <input type="submit" name="submit" value="Submit">
</form>
```

Output:

server-side validations for a login page:

```php
<?php
// Check if the form has been submitted
if ($_SERVER['REQUEST_METHOD'] === 'POST') {
  // Retrieve form data
  $username = $_POST['username'];
  $password = $_POST['password'];
  // Validate form data
  $errors = [];
  if (empty($username)) {
    $errors[] = 'Username is required';
  }
  if (empty($password)) {
    $errors[] = 'Password is required';
  }
  // If there are no errors, authenticate user
  if (empty($errors)) {
    // Check if username and password are correct
    if ($username === 'myusername' && $password === 'mypassword') {
      // Redirect user to home page
      header('Location: home.php');
      exit;
    } else {
      $errors[] = 'Invalid username or password';
    }
```

```
 }

}?>

<!-- HTML form -->

<form method="post" action="login.php">

 <label for="username">Username:</label>

 <input type="text" name="username" id="username">

 <label for="password">Password:</label>

 <input type="password" name="password" id="password">

 <button type="submit">Login</button>

</form>

<?php

// Display errors, if any

if (!empty($errors)) {

 foreach ($errors as $error) {

  echo '<p>' . $error . '</p>';

 }

}?>
```
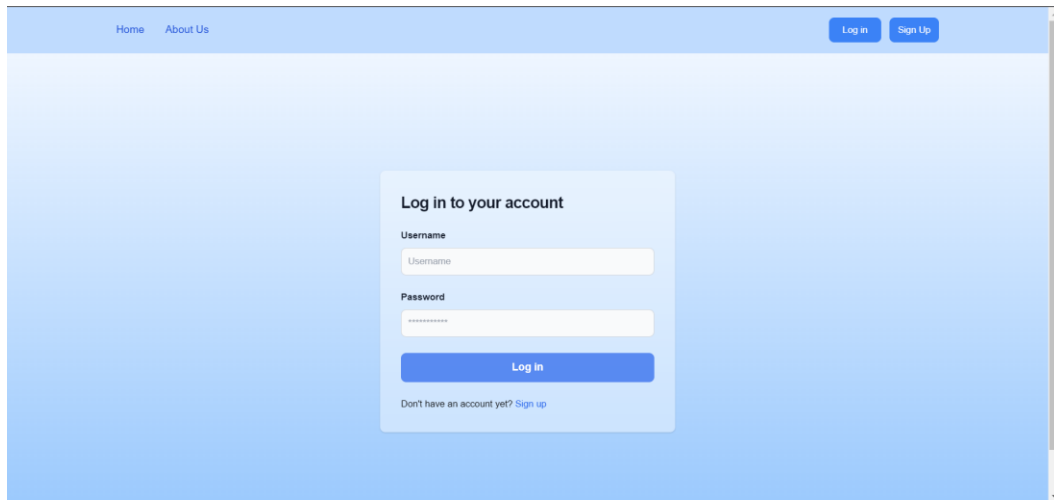
Output:

Practical -6

Aim: - Advanced PHP (Management of sessions and cookies) [Implement Admin login/logout functionality and cookie wherever required].

1. **admin.php**

```php
<?php
  include_once 'database.php';
  session_start();
  if(isset($_SESSION["email"]))
      {
              session_destroy();
  }


  $ref=@$_GET['q'];
  if(isset($_POST['submit']))
      {
    $email = $_POST['email'];
    $password = $_POST['password'];
```

```php
$email = stripslashes($email);

$email = addslashes($email);

$password = stripslashes($password);

$password = addslashes($password);


$email = mysqli_real_escape_string($con,$email);

$password = mysqli_real_escape_string($con,$password);


$result = mysqli_query($con,"SELECT email FROM admin WHERE email = '$email' and password =
'$password'") or die('Error');

$count=mysqli_num_rows($result);

if($count==1)

{

    session_start();

    if(isset($_SESSION['email']))

    {

        session_unset();

    }

    $_SESSION["name"] = 'Admin';

    $_SESSION["key"] ='admin';

    $_SESSION["email"] = $email;

    header("location:dashboard.php?q=0");

}

else

{
```

```php
      echo "<center><h3><script>alert('Sorry.. Wrong Username (or)
Password');</script></h3></center>";

      header("refresh:0;url=admin.php");

   }

  }

?>
```

```html
<!DOCTYPE html>

<html>

      <head>

                  <meta charset="UTF-8">

                  <meta name="viewport" content="width=device-width, initial-scale=1.0">

                  <meta http-equiv="X-UA-Compatible" content="ie=edge">

                  <title>Admin Login | Online Quiz System</title>

                  <link rel="stylesheet" href="scripts/bootstrap/bootstrap.min.css">

                  <link rel="stylesheet" href="scripts/ionicons/css/ionicons.min.css">

                  <link rel="stylesheet" href="css/form.css">

    <style type="text/css">

      body{

          width: 100%;

          background: url(image/book.png) ;

          background-position: center center;

          background-repeat: no-repeat;

          background-attachment: fixed;

          background-size: cover;

        }

      </style>
```

```html
        </head>

        <body>

                <section class="login first grey">

                        <div class="container">

                                <div class="box-wrapper">

                                        <div class="box box-border">

                                                <div class="box-body">

                                                <center> <h5 style="font-family: Noto Sans;">Login to
</h5><h4 style="font-family: Noto Sans;">Admin Page</h4></center><br>


<form method="post" action="admin.php" enctype="multipart/form-data">

<div class="form-group">

<label>Enter Your Email Id:</label>

<input type="email" name="email" class="form-control">

</div>

<div class="form-group">

<label class="fw">Enter Your Password:

<a href="javascript:void(0)" class="pull-right">Forgot Password?</a>

</label>

<input type="password" name="password" class="form-control">

                                                </div>


<div class="form-group text-right">

<button class="btn btn-primary btn-block" name="submit">Login</button>

                                                </div>

                                        </form>

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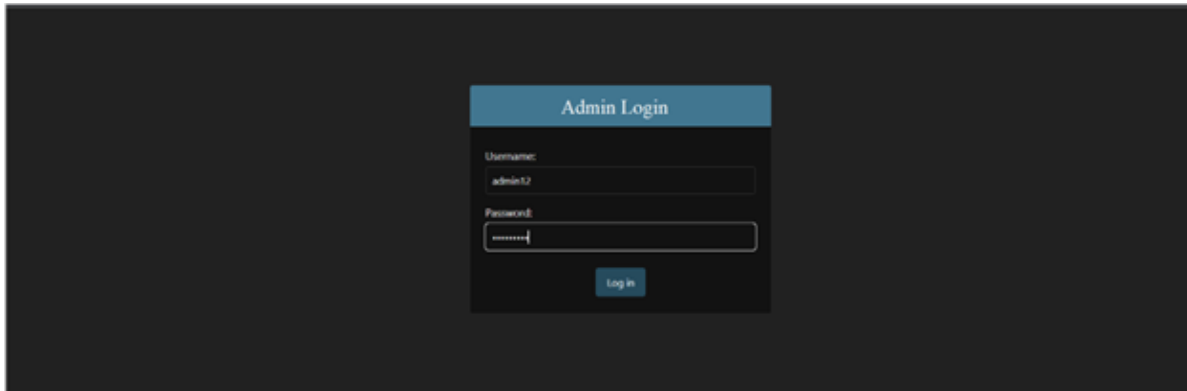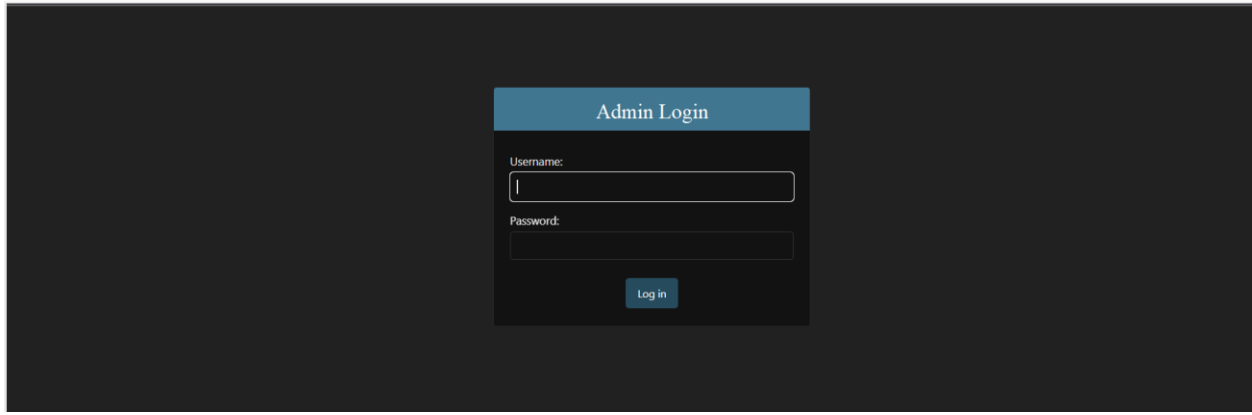
```
                                        </div>

                                </div>

                        </div>

                </section>

                <script src="js/jquery.js"></script>

                <script src="scripts/bootstrap/bootstrap.min.js"></script>

        </body>

</html>
```

Output: -

1. logout1.php (for admin)

```php
<?php

session_start();

if(isset($_SESSION['email'])){

session_destroy();}

$ref= @$_GET['q'];

header("location:admin.php");

?>
```

Output: -

Practical -7

Aim: - PHP with MySQL connectivity (Forms, Advance PHP and database handling) [Semester Project].

```php
<?php

 include_once 'database.php';

 session_start();

 $email=$_SESSION['email'];


 if(isset($_SESSION['key']))

 {

  if(@$_GET['demail'] && $_SESSION['key']=='suryapinky')

  {

   $demail=@$_GET['demail'];

   $r1 = mysqli_query($con,"DELETE FROM rank WHERE email='$demail' ") or die('Error');

   $r2 = mysqli_query($con,"DELETE FROM history WHERE email='$demail' ") or die('Error');

   $result = mysqli_query($con,"DELETE FROM user WHERE email='$demail' ") or die('Error');

   header("location:dashboard.php?q=1");
```

```php
 }

}


if(isset($_SESSION['key']))

{

 if(@$_GET['q']== 'rmquiz' && $_SESSION['key']=='suryapinky')

 {

  $eid=@$_GET['eid'];

  $result = mysqli_query($con,"SELECT * FROM questions WHERE eid='$eid' ") or die('Error');

  while($row = mysqli_fetch_array($result))

  {

   $qid = $row['qid'];

   $r1 = mysqli_query($con,"DELETE FROM options WHERE qid='$qid'") or die('Error');

   $r2 = mysqli_query($con,"DELETE FROM answer WHERE qid='$qid' ") or die('Error');

  }

  $r3 = mysqli_query($con,"DELETE FROM questions WHERE eid='$eid' ") or die('Error');

  $r4 = mysqli_query($con,"DELETE FROM quiz WHERE eid='$eid' ") or die('Error');

  $r4 = mysqli_query($con,"DELETE FROM history WHERE eid='$eid' ") or die('Error');

  header("location:dashboard.php?q=5");

 }

}


if(isset($_SESSION['key']))

{

 if(@$_GET['q']== 'addquiz' && $_SESSION['key']=='suryapinky')
```

```php
  {

   $name = $_POST['name'];

   $name= ucwords(strtolower($name));

   $total = $_POST['total'];

   $sahi = $_POST['right'];

   $wrong = $_POST['wrong'];

   $id=uniqid();

   $q3=mysqli_query($con,"INSERT INTO quiz VALUES  ('$id','$name' , '$sahi' , '$wrong','$total',
NOW())");

   header("location:dashboard.php?q=4&step=2&eid=$id&n=$total");

  }

 }


 if(isset($_SESSION['key']))

 {

  if(@$_GET['q']== 'addqns' && $_SESSION['key']=='suryapinky')

  {

   $n=@$_GET['n'];

   $eid=@$_GET['eid'];

   $ch=@$_GET['ch'];

   for($i=1;$i<=$n;$i++)

   {

    $qid=uniqid();

    $qns=$_POST['qns'.$i];

    $q3=mysqli_query($con,"INSERT INTO questions VALUES  ('$eid','$qid','$qns' , '$ch' , '$i')");

    $oaid=uniqid();
```

```php
    $obid=uniqid();

    $ocid=uniqid();

    $odid=uniqid();

    $a=$_POST[$i.'1'];

    $b=$_POST[$i.'2'];

    $c=$_POST[$i.'3'];

    $d=$_POST[$i.'4'];

    $qa=mysqli_query($con,"INSERT INTO options VALUES  ('$qid','$a','$oaid')") or die('Error61');

    $qb=mysqli_query($con,"INSERT INTO options VALUES  ('$qid','$b','$obid')") or die('Error62');

    $qc=mysqli_query($con,"INSERT INTO options VALUES  ('$qid','$c','$ocid')") or die('Error63');

    $qd=mysqli_query($con,"INSERT INTO options VALUES  ('$qid','$d','$odid')") or die('Error64');

    $e=$_POST['ans'.$i];

    switch($e)

    {

     case 'a': $ansid=$oaid; break;

     case 'b': $ansid=$obid; break;

     case 'c': $ansid=$ocid; break;

     case 'd': $ansid=$odid; break;

     default: $ansid=$oaid;

    }

    $qans=mysqli_query($con,"INSERT INTO answer VALUES  ('$qid','$ansid')");

  }

  header("location:dashboard.php?q=0");

 }

}
```

```php
if(@$_GET['q']== 'quiz' && @$_GET['step']== 2)

 {

  $eid=@$_GET['eid'];

  $sn=@$_GET['n'];

  $total=@$_GET['t'];

  $ans=$_POST['ans'];

  $qid=@$_GET['qid'];

  $q=mysqli_query($con,"SELECT * FROM answer WHERE qid='$qid' " );

  while($row=mysqli_fetch_array($q) )

  { $ansid=$row['ansid']; }

  if($ans == $ansid)

  {

   $q=mysqli_query($con,"SELECT * FROM quiz WHERE eid='$eid' " );

   while($row=mysqli_fetch_array($q) )

   {

    $sahi=$row['sahi'];

   }

   if($sn == 1)

   {

     $q=mysqli_query($con,"INSERT INTO history VALUES('$email','$eid' ,'0','0','0','0',NOW())")or
die('Error');

   }

   $q=mysqli_query($con,"SELECT * FROM history WHERE eid='$eid' AND email='$email' ")or
die('Error115');

   while($row=mysqli_fetch_array($q) )
```

```
   {

    $s=$row['score'];

    $r=$row['sahi'];

   }

   $r++;

   $s=$s+$sahi;

   $q=mysqli_query($con,"UPDATE `history` SET `score`=$s,`level`=$sn,`sahi`=$r, date= NOW()  WHERE
email = '$email' AND eid = '$eid'")or die('Error124');

  }

  else

  {

   $q=mysqli_query($con,"SELECT * FROM quiz WHERE eid='$eid' " )or die('Error129');

   while($row=mysqli_fetch_array($q) )

   {

    $wrong=$row['wrong'];

   }

   if($sn == 1)

   {

     $q=mysqli_query($con,"INSERT INTO history VALUES('$email','$eid' ,'0','0','0','0',NOW() )")or
die('Error137');

   }

   $q=mysqli_query($con,"SELECT * FROM history WHERE eid='$eid' AND email='$email' " )or
die('Error139');

   while($row=mysqli_fetch_array($q) )

   {

    $s=$row['score'];

    $w=$row['wrong'];
```

```php
   }

   $w++;

   $s=$s-$wrong;

   $q=mysqli_query($con,"UPDATE `history` SET `score`=$s,`level`=$sn,`wrong`=$w, date=NOW()
WHERE  email = '$email' AND eid = '$eid'")or die('Error147');

  }

  if($sn != $total)

  {

   $sn++;

   header("location:welcome.php?q=quiz&step=2&eid=$eid&n=$sn&t=$total")or die('Error152');

  }

  else if( $_SESSION['key']!='suryapinky')

  {

   $q=mysqli_query($con,"SELECT score FROM history WHERE eid='$eid' AND email='$email'" )or
die('Error156');

   while($row=mysqli_fetch_array($q) )

   {

    $s=$row['score'];

   }

   $q=mysqli_query($con,"SELECT * FROM rank WHERE email='$email'" )or die('Error161');

   $rowcount=mysqli_num_rows($q);

   if($rowcount == 0)

   {

    $q2=mysqli_query($con,"INSERT INTO rank VALUES('$email','$s',NOW())")or die('Error165');

   }

   else
```
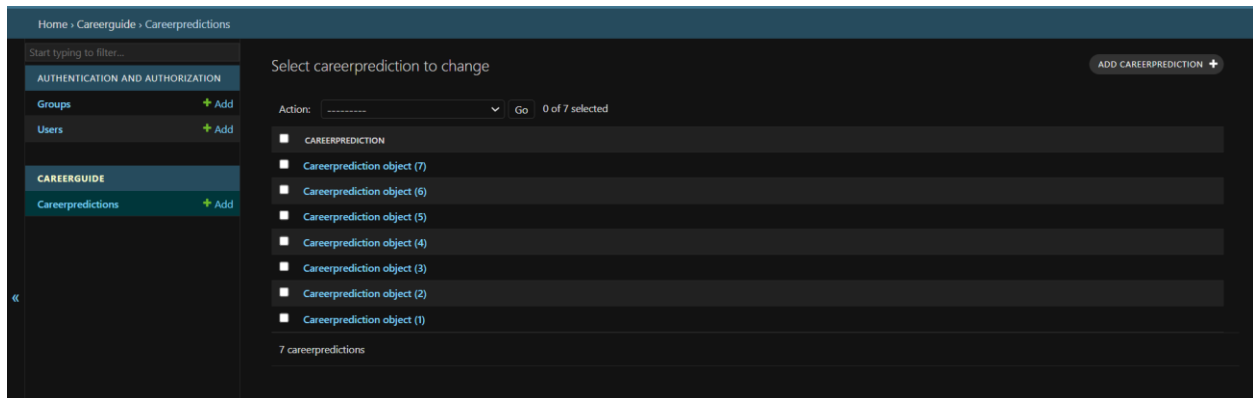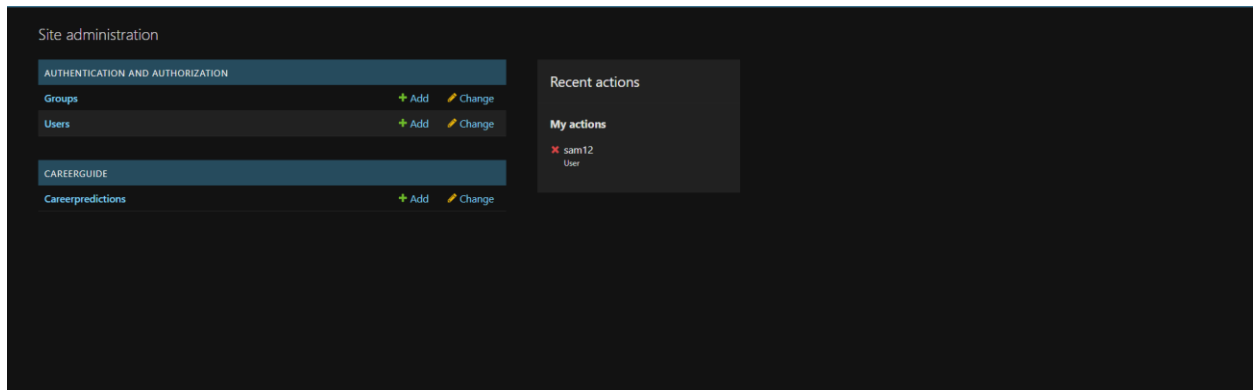
```php
  {

    while($row=mysqli_fetch_array($q) )

    {

     $sun=$row['score'];

    }

    $sun=$s+$sun;

    $q=mysqli_query($con,"UPDATE `rank` SET `score`=$sun ,time=NOW() WHERE email= '$email'")or
die('Error174');

  }

  header("location:welcome.php?q=result&eid=$eid");

 }

 else

 {

  header("location:welcome.php?q=result&eid=$eid");

 }

}


if(@$_GET['q']== 'quizre' && @$_GET['step']== 25 )

{

 $eid=@$_GET['eid'];

 $n=@$_GET['n'];

 $t=@$_GET['t'];

 $q=mysqli_query($con,"SELECT score FROM history WHERE eid='$eid' AND email='$email'" )or
die('Error156');

 while($row=mysqli_fetch_array($q) )

 {
```

```php
  $s=$row['score'];

  }

  $q=mysqli_query($con,"DELETE FROM `history` WHERE eid='$eid' AND email='$email' " )or
die('Error184');

  $q=mysqli_query($con,"SELECT * FROM rank WHERE email='$email'" )or die('Error161');

  while($row=mysqli_fetch_array($q) )

  {

   $sun=$row['score'];

  }

  $sun=$sun-$s;

  $q=mysqli_query($con,"UPDATE `rank` SET `score`=$sun ,time=NOW() WHERE email= '$email'")or
die('Error174');

  header("location:welcome.php?q=quiz&step=2&eid=$eid&n=1&t=$t");

 }

?>
```

1. **dashboard.php**

```php
<?php

$con= new mysqli('localhost','root','','exam')or die("Could not connect to mysql".mysqli_error($con));


?>
```

Output: -

1. **Prediction. SQL**