Indira Gandhi Delhi Technical University for Women
(Established by Govt. of Delhi vide Act 09 of 2012)
(Formerly Indira Gandhi Institute of Technology)
Kashmere Gate Delhi-110006

LABORATORY MANUAL

For

Web Technology

SUBMITTED TO: **SUBMITTED BY:**

███████████   ███████████

Ms. Ankita   Radhika

00304092019

MCA, III Sem

WEEK 1

Question 1. Develop a HTML page which include basic html tags, table, list, image and links.

```html
<html>
   <head>PET ADOPTION</head>
   <title>Adopt don't buy</title>
<body style="background-color:orange;">

<h4 align='center'>
<a href="#"  style="background-color: #ffffff">Home</a>
     
<a href="#"  style="background-color: #ffffff">Categories</a>
     
<a href="#"  style="background-color: #ffffff">About us</a>
     
<a href="#"  style="background-color: #ffffff">Contact Us</a>
     
</h4>
<br>
<br>
<br>


<p>It has been over eleven years that the "Adopt, Don't Shop" campaign was launched by a Los
Angeles based nonprofit animal advocacy organization, Last Chance for Animals. This is an
international campaign to raise awareness about the benefits of adopting rescued pets instead of
puppies from pet stores that are bought from puppy mills. Over the course of as many as eleven
years, this slogan has been used and promoted by a growing number of animal right proponents.
Many of us might think that by now, there would've been a widespread increase in the
knowledge of prospective pet owners, but sadly that's not the case.</p>
<br>
<br>
<table>
      <tr>
        <th>Pet</th>
        <th>Breed</th>
      </tr>
      <tr>
        <td>Dog</td>
        <td>Lebra</td>

      </tr>
```

```
        <tr>
          <td>Cat</td>
          <td>Pesica</td>
        </tr>
      </table>

</body>
</html>
```

Home   **Categories**   **About us**   **Contact Us**

It has been over eleven years that the "Adopt, Don't Shop" campaign was launched by a Los Angeles based nonprofit animal advocacy organization, Last Chance for Animals. This is an international campaign to raise awareness about the benefits of adopting rescued pets instead of puppies from pet stores that are bought from puppy mills. Over the course of as many as eleven years, this slogan has been used and promoted by a growing number of animal right proponents. Many of us might think that by now, there would've been a widespread increase in the knowledge of prospective pet owners, but sadly that's not the case.

Pet Breed
Dog Lebra
Cat Pesica

WEEK 2

Question 2. Develop a Student Login form with Login Id , Password, submit, reset buttons and also allow to have forget password link.

```
<html>
<head style="text-align:center ; color:blue;">
<title>
LOGIN
</title><br><br><br><br><h1>
LogIn Here <br><br></h1>
<head>
<body align="center" bgcolor="pink">
<form>
Login id:
<input type="text">
<br><br>
Password
<input type="password">
<br><br>
<input type="button" value="submit"> &nbsp
<input type="button" value="reset">
<br><br>
<a href="pswd.html"> Forget password?? </a>
</form>
</body>
</html>
```

//second html page for forget password

```
<html>
<head><b><br><br><br><br>
<br><br>

Forget password!! recover it by entering your mail id below </b></head><br><br>
<body align="center" bgcolor="pink">
<form>
Enter your registered mail id: <br>
<input type="email"><br><br>

<input type="button" value="send OTP"><br<br>
</form>
</body>
</html>
```
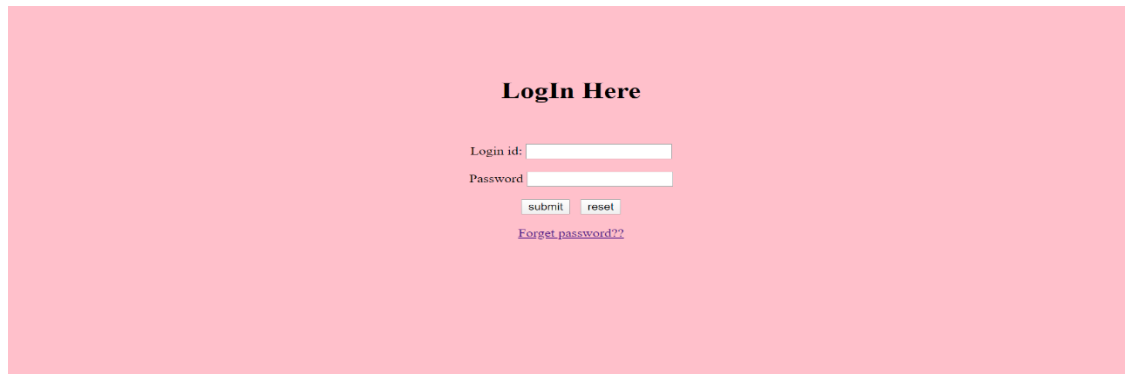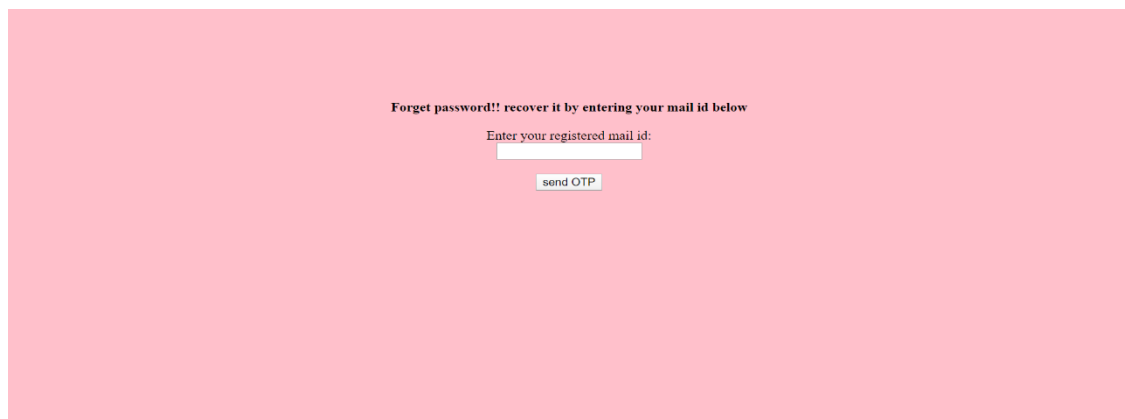
//output

Question 3. Develop a student (Name, RollNo) registration form by using HTML forms, textfield , button, checkbox, radiobutton, hidden button, textarea.

```
<Html>
<head >
<title>
Registration Page
</title> <h1><b> <u>
Register here</h1></b></u>
</head>
<body bgcolor="pink">

<form>

<label> Firstname </label>
<input type="text" name="firstname" size="15"/> <br> <br>
 <input type="hidden" id="Id" name="Id" value="3487">
<label> Lastname: </label>
<input type="text" name="lastname" size="15"/> <br> <br>
  <label> Roll number:</label>
<input type="text" name="rollno." size="15"/> <br> <br>
```

```html
<label>
Course :
</label>
<select>
<option value="Course">Course</option>
<option value="MCA">MCA</option>
<option value="Mtech">Mtech</option>
</select>
<br>
<br>
<label>
Gender :
</label><br>
<input type="radio" name="male"/> Male <br>
<input type="radio" name="female"/> Female <br>
<input type="radio" name="other"/> Other
<br>
<br>
Email:
<input type="email" id="email" name="email"/> <br>
<br> <br>
Password:
<input type="Password" id="pass" name="pass"> <br>
<br> <br>
Re-type password:
<input type="Password" id="repass" name="repass"> <br> <br>
<label>
Phone :
</label>
<input type="text" name="country code"  value="+91" size="2"/>
<input type="text" name="phone" size="10"/> <br> <br>
Address
<br>
<textarea cols="30" rows="5" value="address">
</textarea>
<br> <br>
<input type="button" value="Submit"/>
</form>
</body>
</html>
```

//**Output**

Register here

Firstname [   ]

Lastname: [   ]

Roll number: [   ]

Course : [Course ▾]

Gender :
- ○ Male
- ○ Female
- ○ Other

Email: [   ]

Password: [   ]

Re-type password: [   ]

Phone : [+91] [   ]

Address
[   ]

[Submit]

WEEK 2

Question 4. Develop a HTML page which has used inline and internal type CSS.

HTML FILE

```html
<html>

<head>

  <title>Login</title>

  <style>
    body
    {
      background-color: powderblue;
    }

    button{
      background-color: white;
      width: 250px;
      height= 500px;
      background-color: rgba(0, 255, 0, 0.3);
      color: black;
      font-size: 16px;
      padding: 10px 24px;
      border-radius: 2px;
      transition-duration: 0.4s;
      border: 1px solid white;
      box-shadow: 0 8px 16px 0 rgba(0,0,0,0.2), 0 6px 20px 0 rgba(0,0,0,0.19);
    }

    .button:hover {
        background-color: #4CAF50; /* Green */
```

```html
        color: white;

      }


</style>

    </style>

</head>

<body >


<form>


<br>

<br>

<br>


  <div align='center' style="color:black; background-color:powderblue; font-family:verdana; font-size:100%;  margin-top:30px" >

    <br><br><br>

    Username: &nbsp&nbsp&nbsp<input type="text" placeholder="Enter Username" name="uname" r
equired><br><br>



    Password: &nbsp&nbsp&nbsp&nbsp<input type="password" placeholder="Enter Password" name
="psw" required><br><br><br>


    <button type="submit">Submit</button><br><br>



    <input type="checkbox" checked="checked" name="remember me"> Remember me

  <br>

  <br>

  <div style="background-color:#asghka"  align='center'>

    <button id='button1' type="button">Reset Password</button><br><br>

    <a href="changepswd.html">Click here to create new password</a><br><br><br>

  </div>
```

</div>

</form>

</body>

</html>

Question 5. Develop a HTML page and external CSS file and link the external CSS file with HTML file.

HTML FILE

<html>

<head>

  <title>Adopt Dont Buy</title>

  <link rel='stylesheet' type='text/css' href='ind.css'>

</head>

  <body>

    <header>

      <div class='main'>


```html
            <li><a href='#'>Home</a></li>

            <li><a href='#'>Donate</a></li>

            A<li><a href='#'>Adopt</a></li>

            <li><a href='#'>Contact Us</a></li>

            <li><a href='#'>About Us</a></li>

        </ul>
      </div>

      <div class='botm'>
        <ul>

            <li><a href='#'>Browse Cat</a></li>

            <li><a href='#'>Browse Dog</a></li>

            <li><a href='#'>Browse Rabbit</a></li>

            <li><a href='#'>Browse By Color</a></li>

            <li><a href='#'>Browse By Breed</a></li>

            <li><a href='#'>Browse By Location</a></li>

        </ul>
      </div>
    </header>
  </body>
</html>
```

CSS FILE

```css
*{
   margin: 0;

   padding: 0;

   font-family: Century Gothic;

}

header{
   background-image: url(b2.jpeg);
```

```css
    height: 100vh;

    background-size: cover;

    background-position: center;

}

.main ul{

    float: right;

    list-style: none;

}

.main ul li{

    display: inline-block;

    margin-top: 25px;

}

.main ul li a{

    text-decoration: none;

    font-weight: bold;

    color: white;

    padding: 5px 20px;

    border: 1px solid white;

    border-style: solid;

    border-radius: 10px;

    border-width: 0.09cm;

    margin-top: 25px;

    transition: 0.6s ease;

}

.main ul li a:hover{

    background-color: antiquewhite;

    font-weight: bold;

    color: black;
```

```css
}

.botm{
    float: left;
    list-style: none;
    bottom: 5px;
    margin-top: 300px;

}
.botm ul{
    float: left;
    list-style: none;
}

.botm ul li{
    margin-top: 205px;
    display: inline-block;
}

.botm ul li a{
    text-decoration: none;
    font-weight: bold;
    color: white;
    padding: 5px 20px;
    border: 1px solid wheat;
    border-style: solid;
    border-radius: 10px;
    border-width: 0.09cm;
    margin-top: 25px;
    transition: 0.6s ease;
}

.botm ul li a:hover{
```

```
    background-color: antiquewhite;

    font-weight: bold;

    color: black;

}
```
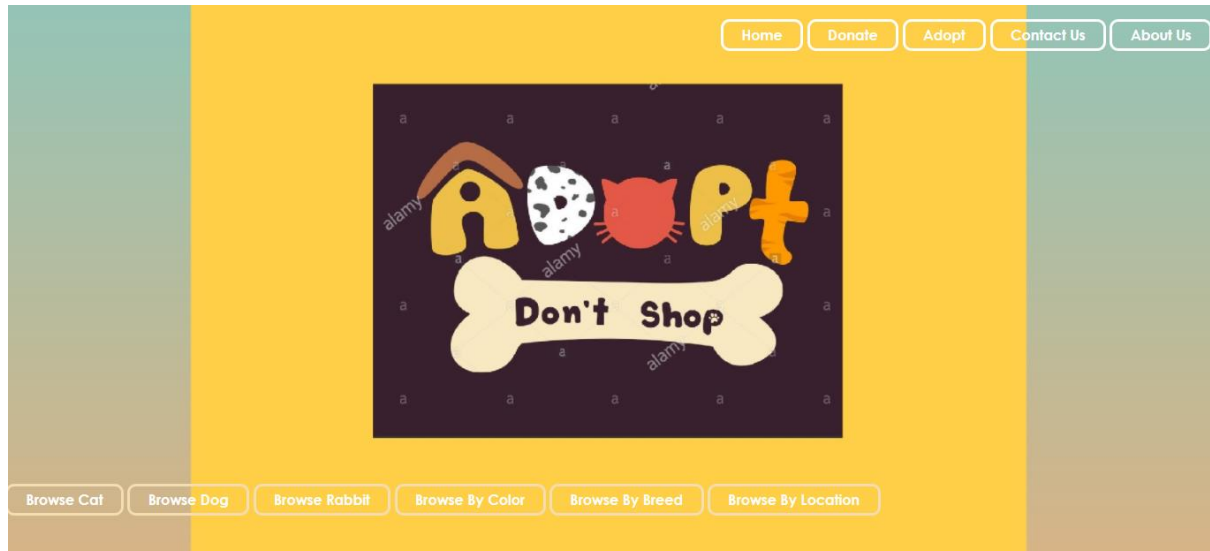

Question 6. Create your Resume using HTML and CSS

HTML

```
<html>

<head>
    <title>Radhika Resume</title>
    <link rel="stylesheet" href="Radhika_Resume.css">
</head>
<body>

<div id='d1'>

<img src="mypic.png" id="mypic"></img>
<h1 id ='name'>Radhika</h1>

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

```html
    <div class="flex-child a">

      <h2>   Personal Information: </h2>

      <h3>   Address: <br> House Number-161 street number-
4 Bihari Pur extn near CRPF camp, Delhi-110094 </h3>

    </div>


    <div class="flex-child b">

      <h2>Contact Details:</h2>

      <h4>Phone: 797982061571, 98117709652061571 </h4>

      <h4>Email: radhika003mca19@igdtuw.ac.in </h4>

      <h4>Github: <a href='https://github.com/radhikaarajput /'> https://github.com/radhikaarajput  </a></h4>

    </div>

    </div>



    <div id='co'>

       <h2 id='inco'>Career Objective </h2>

       <p>By acquiring knowledge, expertise and a familiarity with the organization's culture, I want to contribute towards realizing organization's vision and become its integral part</p>

    </div>

    <div class="flex-container">

      <div class="flex-child a">

        <div class="float-container">

          <div class="float-child in1">

            <h2 id='inco'>Technical Sills</h2>

            <h4>• C, C++<h4>

            <h4>• HTML, PHP, CSS<h4>

            <h4>• Python<h4>
```

```html
        <h4>• Javascript(Beginner)<h4>


      </div>


      <div class="float-child in2">
        <h2 id='inco'>Hobbies</h2>
        <h4>• Watching Cricket<h4>
        <h4>• Listening Music<h4>
      </div>


      </div>
  </div>


  <div class="flex-child b">
    <h2 id='inco'>Education </h2>
    <table>
      <tr bgcolor= "white">
        <th>Course</th>
        <th>School/College</th>
        <th>Passing Year</th>
      </tr>
      <tr bgcolor= "white">
        <td> X </td>
        <td>G. G.S.S.S. , B-2 Yamuna Vihar </td>
        <td>2014</td>
      </tr>
      <tr bgcolor= "white">
        <td> XII </td>
        <td>G. G.S.S.S. , B-2 Yamuna Vihar </td>
        <td>2016</td>
      </tr>
```

```html
      <tr bgcolor= "white">

        <td> B. Sc. (Hons) Computer Science  </td>

        <td>Shyama Prasad Mukherji College for Women, University of Delhi, Punjabi Bagh West, New Delhi  </td>

        <td>2019</td>

      </tr>

      <tr bgcolor= "white">

        <td> MCA</td>

        <td>Indira Gandhi Delhi Technical University for Women, Kashmere Gate, New Delhi </td>

        <td>2022</td>

      </tr>

    </table>

  </div>


  </div>


  <div id='co'>

    <h2 id='inco'>Projects</h2>

    <p>Face Similarity Checking Using: <br>• PyTorch <br> •  Siamese Neural Network<br> •  Computer Vision </p>

  </div>


</div>

</body>

</html>
```

CSS

```css
 *{

  font-family: Arial, Helvetica, sans-serif;

  color: rgb(46, 45, 45);

  margin-left: 10px;
```

```css
        }


#mypic {

    border-radius: 50%;

    display: block;

    margin-left: auto;

    margin-right: auto;

    margin-top: 20px;

    width: 100px;

    height: 100px;

    border-style: solid;

    border-color: grey;

  }
#name{


    color: rgb(51, 50, 50);

    font-size: 34px;

    text-align:center;

}


#d1{

    margin-left: 220;

    margin-right: 220;

    border: 3px solid gray;

    border-style: solid;

    border-radius: 25px;

    border-width: 0.4cm;



}

.flex-container {

    display: flex;
```

```css
        }

        .flex-child ,.float-child {
            flex: 1;

            border: 2px solid grey;

            border-style: solid;

            border-radius: 10px;

            border-width: 0.09cm;

            margin-bottom: 10px;

            margin-right: 20px;

            margin-left: 20px;

            margin-top: 10px;
        }

        .flex-child:first-child {
            margin-right: 20px;

            border-style: solid;

            border-radius: 10px;

            border-width: 0.09cm;

            margin-bottom: 10px;
        }

        #inco{
            text-align:center;
        }

        #co{
            border: 2px solid grey;

            border-style: solid;

            border-radius: 10px;

            border-width: 0.09cm;

            margin-bottom: 10px;
```

```css
    margin-right: 20px;

    margin-left: 20px;

}

.float-child.in1 {

    margin-right: 20px;

}

table {

    border-collapse: collapse;

    border-radius: 10px;

    border-width: 0.09cm;

    margin-bottom: 10px;

    margin-right: 20px;

    margin-left: 20px;

    border: 3px solid grey;

  }


  table, th, td {

    border: 3px solid grey;

    margin-bottom: 4px;

    border-radius: 10px;

    border-width: 0.09cm;

    margin-bottom: 10px;

    margin-right: 20px;

    margin-left: 20px;


  }


tr

{

    line-height:30px;
```

margin-left: 3px;

}

← → C ⓘ File | C:/Users/Radhika/Desktop/MCA%203sem/WEB/Radhika_Resume.html

Apps M Gmail ▶ YouTube 🅺 Maps 🌐 New Tab ○ localhost:8888/note...

Radhika

Personal Information:

Address:
House Number-161 street number-4 Bihari Pur extn near
CRPF camp, Delhi-110094

Contact Details:

Phone: 797982061571, 98117709652061571

Email: radhika003mca19@igdtuw.ac.in

Github: https://github.com/radhikaarajput

Career Objective

By acquiring knowledge, expertise and a familiarity with the organization's culture, I want to contribute towards realizing organization's vision and become its integral part

Technical Sills

• C, C++

• HTML, PHP, CSS

• Python

Education

Course	School/College	Passing Year
X	G. G.S.S.S. , B-2 Yamuna Vihar	2014
XII	G. G.S.S.S. , B-2 Yamuna Vihar	2016

Career Objective

By acquiring knowledge, expertise and a familiarity with the organization's culture, I want to contribute towards realizing organization's vision and become its integral part

Technical Sills

• C, C++

• HTML, PHP, CSS

• Python

• Javascript(Beginner)

Hobbies

• Watching Cricket

• Listening Music

Education

Course	School/College	Passing Year
X	G. G.S.S.S. , B-2 Yamuna Vihar	2014
XII	G. G.S.S.S. , B-2 Yamuna Vihar	2016
B. Sc. (Hons) Computer Science	Shyama Prasad Mukherji College for Women, University of Delhi, Punjabi Bagh West, New Delhi	2019
MCA	Indira Gandhi Delhi Technical University for Women, Kashmere Gate, New Delhi	2022

Projects

Face Similarity Checking Using:
• PyTorch
• Siamese Neural Network
• Computer Vision

WEEK 4

Question 7. Put validation checks on values entered by the user using JavaScript on student login and Registration form.

Registration

HTML:

```html
<html>

  <head>

    <title></title>

    <link rel="stylesheet" href="registration.css">

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


  </head>


  <body>
  <div class='main'>

    <div class='regform'>

      <h1>Registration Form</h1>

    </div>



    <form>

      <div id= 'name'>

        <h2 class='name'>First Name</h2>

        <input class='fname' type='text' id='f' name='First_Name' placeholder="Enter First Name" r
equired><br>



        <h2 class='name'>Last Name</h2>

        <input class='fname' type='text' id-
'l'name='First_Name' placeholder="Enter Last Name" required><br>

      </div>
```

```html
<h2 class='name'>Email</h2>

    <input class='fname' type='text' name='Email' placeholder="Enter Email" required><br>

<h2 class='name'>Phone Number</h2>

    <input class='fname' type='text' name='Phone_No' id='pno' placeholder="Enter Phone Number" maxlength="10"  required><br>


<h2 class='name'>Address</h2>

<textarea class='add' rows="2" cols="40" required></textarea>

<br>

<h2 class='name'> favourite Pet</h2>

<select class='fname' name='Pet'>

<option disabled='disabled' selected='selected'>--Choose--</option>

<option>Dog</option>

<option>Rabbit</option>

<option>Cat</option>

</select>

<br>


<div >

    <h2 class='name'>Password</h2>

    <input class='fname' type='password' name='Password' id='p' placeholder="Enter Password" maxlength="12" minlength="8" required><br>


        <h2 class='name'>Confirm Password</h2>

        <input class='fname' type='password' name='C_Password' id='cp' placeholder="Confirm Password" maxlength="12" minlength="8" required><br>

    </div>


<div style="background-color:#asghka"  align='center'>

<button class='name' type="submit" onclick="Validate()" >Submit</button><br><br>

</div>
```

```
            </form>

          </div>

        </body>

  </html>


  CSS

  *{

      margin: 0;

      padding: 0;

  }


  body{

      background-image: url('e.jpg');

      background-position: center;

      background-size: cover;

      font-family: sans-serif;

      margin-top: 20px;

  }


  .regform{

      margin-top: 20px;

      width: 700px;

      background-color: rgb(0,0,0,6);

      margin: auto;

      color: aliceblue;

      padding: 10px 0px 10px 0px;

      text-align: center;

      border-radius: 15px 15px 0px 0px;

  }


  .main{

      background-color: rgb(0,0,0,0.5);
```

```css
    width: 700px;

    margin: auto;

}

.form{

    padding: 20px;

}

.name{

    margin-left: 30px;

    margin-top: 10px;

    width: 200px;

    color: aliceblue;

    font-size: 16px;


    font-weight: 700;

}

.fname{

    position: relative;

    left: 200px;

    top: -17px;

    line-height-step: 40px;

    border-radius: 7px;

    padding: 0 22px;

    font-size: 16px;

}

.add{

    position: relative;

    left: 200px;

    top: -17px;

    line-height-step: 40px;
```

```css
    border-radius: 7px;

    padding: 0 22px;

    font-size: 16px;

}

button{

    background-color: white;

    width: 270px;

    height: 37px;

    background-color: rgba(0, 22, 0, 0.3);

    color: black;

    font-size: 16px;

    padding: 10px 24px;

    border-radius: 2px;

    transition-duration: 0.4s;

    border: 1px solid white;

    box-shadow: 0 8px 16px 0 rgba(0,0,0,0.2), 0 6px 20px 0 rgba(0,0,0,0.19);
}

.button:hover {

    background-color: #4CAF50; /* Green */

    color: white;

    }
```

Javascript

```javascript
    function Validate()

    {

        var fname= document.getElementById("f").value;

        var lname= document.getElementById("l").value;
```

```javascript
var email= document.getElementById("email").value;

var pno= document.getElementById("pno").value;


var p= document.getElementById("p").value;

var c= document.getElementById("cp").value;


if(!letters.test(fname))

{

    alert('Name field required only alphabet characters');

return false;


}

else if(!letters.test(lname))

{

    alert('Name field required only alphabet characters');

return false;


}


else if (!filter.test(email))

{

    alert('Invalid email');

return false;


}


else if(pno.length!=10)

{

    alert('10 Characters');

return false;
```

```
    }

    else if(p != cp)

    {

        alert ('Password Not Matched');

    return false;


    }


    else

    {

    alert('Sucessfully Registered');

    return true;

    }

}
```


Login

```
<html>

    <head>

        <title></title>

        <link rel="stylesheet" href="registration.css">
```

```html
        <script src="validationRegistration.js"></script>


    </head>

<body>
<div class='main'>
    <div class='regform'>
        <h1>Login</h1>
    </div>



    <form>


        <h2 class='name'>Email</h2>
            <input class='fname' type='text' name='Email' placeholder="Enter Email" required><br>




        <div >
            <h2 class='name'>Password</h2>
            <input class='fname' type='password' name='Password' id='p' placeholder="Enter Password
" maxlength="12" minlength="8" required><br>


            <h2 class='name'>Confirm Password</h2>
            <input class='fname' type='password' name='C_Password' id='cp' placeholder="Confirm Pa
ssword" maxlength="12" minlength="8" required><br>
        </div>

    <div style="background-color:#asghka"  align='center'>
    <button class='name' type="submit" onclick="Validate()" >Submit</button><br><br>
    </div>


    </form>
    </div>
```

</body>

</html>

8. Write a javascript that will allow to perform all arithmetic calculations(+,-*,/)

<html>

<head>

<style>

  *{

  margin: 0;

  padding: 0;

}

body{

  background-
image: url('https://i.pinimg.com/originals/eb/a3/9e/eba39ebd3f4131e65390a922
327e1323.jpg');

  background-position: center;

```css
        background-size: cover;

        font-family: sans-serif;

        margin-top: 20px;

    }

    .regform{

        margin-top: 20px;

        width: 700px;

        background-color: rgb(0,0,0,6);

        margin: auto;

        color: aliceblue;

        padding: 10px 0px 10px 0px;

        text-align: center;

        border-radius: 15px 15px 0px 0px;

    }

    .main{

        background-color: rgb(0,0,0,0.5);

        width: 700px;

        margin: auto;

    }

    .form{

        padding: 20px;

    }

    .name{

        margin-left: 30px;

        margin-top: 10px;
```

```css
    width: 200px;

    color: aliceblue;

    font-size: 16px;


    font-weight: 700;

}

.fname{

    position: relative;

    left: 200px;

    top: -17px;

    line-height-step: 40px;

    border-radius: 7px;

    padding: 0 22px;

    font-size: 16px;

}

.add{

    position: relative;

    left: 200px;

    top: -17px;

    line-height-step: 40px;

    border-radius: 7px;

    padding: 0 22px;

    font-size: 16px;


}

</style>
```

```html
<script src="Calc.js"></script>


</head>
<body>
 <div class='main'>
   <div class='regform'>
   <h1><b> Calculator </b></h1>
   <form method="post">
   </div>

<h2 class='name'>Enter Number1::</h2>
<input id ="first" class='fname' type="text" name="num1" />
<br>
<br>
<h2 class='name'>Enter Number2::</h2>
 <input id="second" type="text" class='fname' name="num2"/>
<br>
<br>

<h2 class='name'>Add(+)</h2>
<button type="button" class='name' onclick="add()"  > </button>

<h2 class='name'>Subtract(-)</h2>
<button type="button" class='name' onclick="sub()"> </button>

<h2 class='name'>Multiply(*)</h2>
<button type="button" class='name' onclick="mul()"> </button>
```

```html
<h2 class='name'>Divide(/)</h2>
<button type="button" class='name' onclick="div()"> </button>
<br>
<br>

<h2 class='name'>Result is</h2>
<input id="result"  type="text" name="result"/>
</form>
</div>
</body>
</html>
```

Javascipt

```javascript
function add()
{
   var a,b,c;
   a=Number(document.getElementById("first").value);
   b=Number(document.getElementById("second").value);
   c= a + b;
   document.getElementById("result").value= c;
}

function sub()
{
   var a,b,c;
   a=Number(document.getElementById("first").value);
   b=Number(document.getElementById("second").value);
   c= a - b;
   document.getElementById("result").value= c;
}
```

```
function mul()
{
    var a,b,c;
    a=Number(document.getElementById("first").value);
    b=Number(document.getElementById("second").value);
    c= a * b;
    document.getElementById("result").value= c;
}
function div()
{
    var a,b,c;
    a=Number(document.getElementById("first").value);
    b=Number(document.getElementById("second").value);
    c= a / b;
    document.getElementById("result").value= c;
}
```
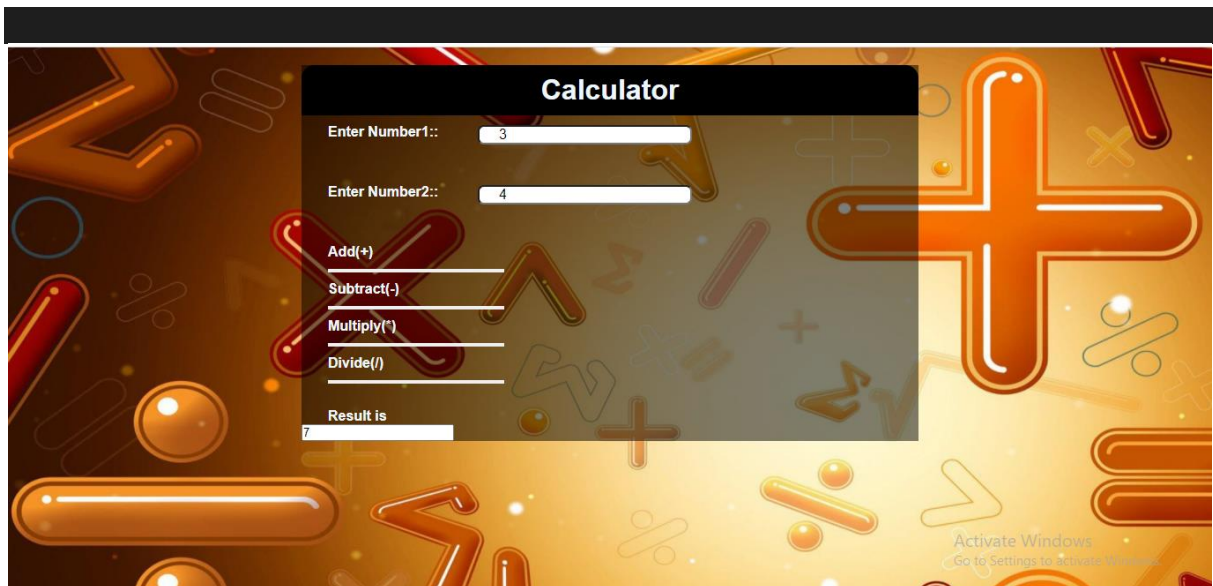
Question 9. Write a javascript to handle onclick, onchange, onfocus, onmouse, onload, onsubmit events.

```html
<html>

  <head>

    <title></title>

    <style>

      div

      {

        width: 100px;

        height: 100px;

        border: 1px solid black;

        margin: 10px;

        float: left;

        padding: 30px;

        text-align: center;

        background-color: lightgray;

      }

      p

      {

        background-color: white;

      }

    </style>

    <script>

      function changeColor(ele,clr)

      {

        ele.style.color = clr;

      }
```

```javascript
function OnSelectionChange (select)
{
    var selectedOption = select.options[select.selectedIndex];
    alert ("The selected option is " + selectedOption.value);
}

function OnFocusInput (input)
{
    input.style.color = "red";
}

function OnBlurInput (input)
{
    input.style.color = "";
}

var x = 0;
var y = 0;
var z = 0;

function myMoveFunction()
{
    document.getElementById("demo").innerHTML = z+=1;
}

function myEnterFunction()
{
    document.getElementById("demo2").innerHTML = x+=1;
}

function myOverFunction()
```

```
      {
         document.getElementById("demo3").innerHTML = y+=1;
      }

      function loadImage()
      {
         alert("Image is loaded");
      }
      function myFunction()
       {
         alert("The form was submitted");
      }
</sc

   </script>

  </head>

  <body>

    <h2 onclick="changeColor(this, 'red')">Click here to change  text color red.</h2>

    <h2>Select your favourite colour:<h2>
    <select onchange="OnSelectionChange(this)">
       <option value="Red" />Red
       <option value="pink" />pink
       <option value="blue" />blue
    </select>

    <input type="text" onfocus="OnFocusInput (this)" onblur="OnBlurInput (this)" value="
OnFocus OnBlur"/>

    <img src="a.jpg" onload="loadImage()" width="100" height="132">
```


This example demonstrates the difference between onmousemove, onmouseenter and onmouseover.

<p>The onmousemove event occurs every time the mouse pointer is moved over the div element.</p>

<p>The mouseenter event only occurs when the mouse pointer enters the div element. </p>

<p>The onmouseover event occurs when the mouse pointer enters the div element, and its child elements (p and span).</p>

<div onmousemove="myMoveFunction()">

<p>onmousemove:
 Mouse over me!</p>

</div>

<div onmouseenter="myEnterFunction()">

<p>onmouseenter:
 Mouse over me!</p>

</div>

<div onmouseover="myOverFunction()">

<p>onmouseover:
 Mouse over me!</p>

</div>

<form onsubmit="myFunction()">

UserName: <input type="text">

<input type="submit">

</form>

</body>

<html>

Click here to change text color red.

Select your favourite colour:

[pink ▾] [OnFocus OnBlur]

This example demonstrates the difference between onmousemove, onmouseenter and onmouseover.

The onmousemove event occurs every time the mouse pointer is moved over the div element.

The mouseenter event only occurs when the mouse pointer enters the div element.

The onmouseover event occurs when the mouse pointer enters the div element, and its child elements (p and span).

onmousemove:
35

onmouseenter:
5

onmouseover:
18

UserName: [abc] [Submit]

WEEK 5

Question 10. Write a javascript that illustrates the use of different native objects(Number, String, Maths, Date)

```
<html>
  <head>
    <title>javascript that illustrates the use of different native objects(Number, String, Maths,
Date)</title>
    <style>


      *{
      margin: 0;
      padding: 0;
    }

    body{
      background-image: url('https://www.garmento.net/wp-
content/uploads/2016/07/white_parallax_brick_full.jpg');
      background-position: center;
      background-size: cover;
      font-family: sans-serif;
      margin-top: 20px;
    }
    div{
      margin-top:60px;
      margin-left:40px;
    }
    button{
```

```css
            background-color: white;
            width: 170px;
            height: 27px;
            background-color: rgba(0, 22, 0, 0.3);
            color: black;
            font-size: 16px;
            padding: 10px 24px;
            border-radius: 2px;
            transition-duration: 0.4s;
            border: 1px solid white;
            box-shadow: 0 8px 16px 0 rgba(0,0,0,0.2), 0 6px 20px 0 rgba(0,0,0,0.19);
        }
    </style>
     <script type = "text/javascript">

      function uppercase()
      {
         var s= (document.getElementById('str').value).toUpperCase();
         document.getElementById('result').value=s;
      }
      function power()
      {
         var b= (document.getElementById('base').value);
         var e= (document.getElementById('power').value);
         var s= Math.pow(b, e);
         document.getElementById('result2').value=s;
      }
      function Max()
      {
         var s = Number.MAX_VALUE;
         document.getElementById('result3').value=s;
      }
       function date()
      {
         var s = Date();
         document.getElementById('result4').value=s;
      }
     </script>

</head>

<body>
<div>
  <h2>convert string to uppercase:</h2>
  <input type='text' id='str' name='str' placeholder="Enter String:"/>
  <button type='button' class='sbtn' placeholder="Convert" onclick='uppercase()'>Convert</button>
  <input id="result"  type="text" name="result" placeholder="Uppercasee String"/ ><br><br>

    <h2>calculate power:</h2>
  <input type='text' id='base' name='str' placeholder="Enter Base:"/>
  <input type='text' id='power' name='str' placeholder="Enter power:"/>
  <button type='button' class='sbtn' placeholder="Convert" onclick='power()'>Calculate</button>
  <input id="result2"  type="text" name="result2" placeholder="Result"/ ><br><br>
```

```html
    <h2>Maximum Number:</h2>
    <button type='button' class='sbtn' placeholder="Convert" onclick='Max()'>Show Max</button>
    <input id="result3"  type="text" name="result3" placeholder="Result"/ ><br><br>


      <h2>Date and Time:</h2>
    <button type='button' class='sbtn' placeholder="Convert" onclick='date()'>Show Date
Time</button>
    <input id="result4"  type="text" name="result4" placeholder="Result"/ ><br>
  <div>
  </body>
</html>
```
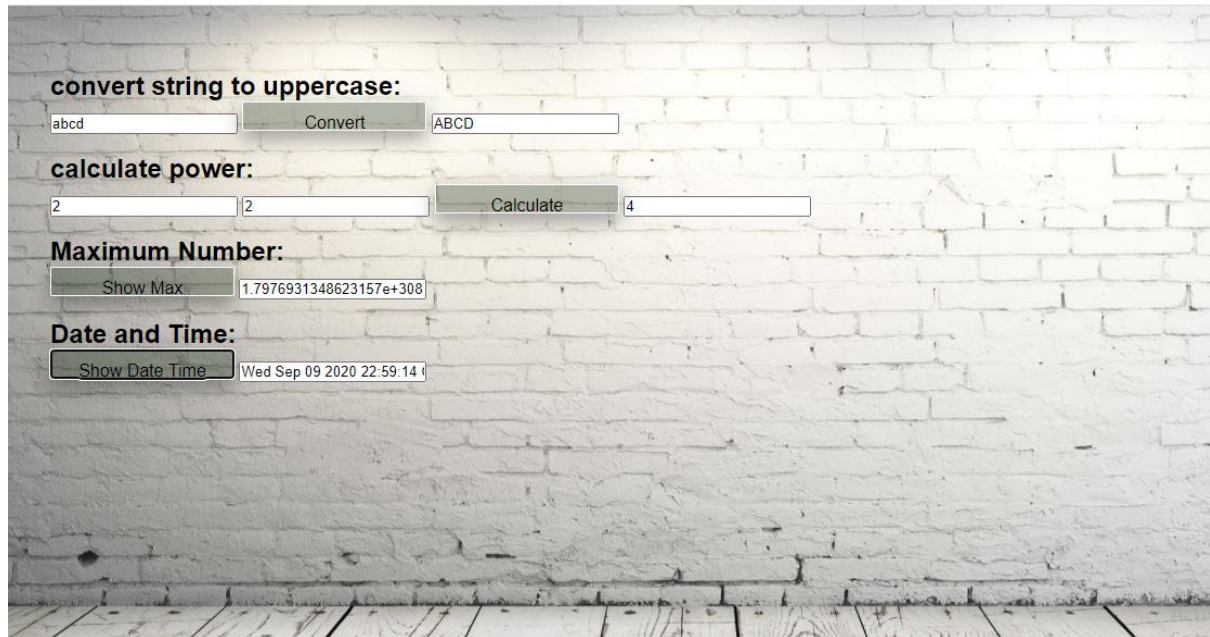

Question 11. Write a Java Script to illustrate how to create user-defined objects.

```html
<!DOCTYPE html>
<html>
<head>
  <style>

        *{
        margin: 0;
        padding: 0;
      }

      body{
        background-image:
url('https://assets.gqindia.com/photos/5cdc0a55700a77f307a9f48f/master/pass/top-image88.jpg');
        background-position: center;
        background-size: cover;
        font-family: sans-serif;
        margin-top: 20px;
        font-size:40px;
```

```
            }
        div{
            margin-top:160px;
            margin-left:70px;
        }
    </style>

<body>

<div>
<h2>IPL TEAMS</h2>
<p id="para"></p>
<script>
        // Create an object:
        var IPL_teams = {
        team1: "CSK",
        team2 : "RCB",
        team3: "DD",
        team4 : "MI",
        team5: "SRH",
        team6 : "RR",
        };

        // Display some data from the object:
        document.getElementById("para").innerHTML =
        IPL_teams.team1 + " " + IPL_teams.team2+ " " + IPL_teams.team3+ " " + IPL_teams.team4+ "
" + IPL_teams.team5;+ " " + IPL_teams.team6;
    </script>
</head>
</div>
</body>
</html>
```

Question 12. Write a Javascript to illustrate the use of Hidden field

```
<html>
<head>
    <title>Hidden fields</title>
</head>
<style>

        *{
           margin: 0;
           padding: 0;
        }
         body{
        background-image: url('https://www.garmento.net/wp-
content/uploads/2016/07/white_parallax_brick_full.jpg');
        background-position: center;
        background-size: cover;
        font-family: sans-serif;
        margin-top: 20px;
    }
    div{
        margin-top:160px;
        margin-left:70px;
    }
  </style>
<body>

<script type="text/javascript">
function show(){
  alert(document.getElementById('Fname').value);
  alert(document.formName.elements['fn'].value);
}
</script>

<h1>Show Hidden value </h1>
<div>
        <input type=hidden id='Fname' name="fn" value='Radhika'/>

        <input type=button class="myButton" value="Get Value" onclick="show()" />
</div>
</body>
</html>
```

Question 13. Write a Javascript to perform the following using Cookies:
Create Cookie
Read Cookie
Delete Cookie

```
<html>
<head>
<script>
function setCookie(cname,cvalue,exdays) {
  var d = new Date();
d.setTime(d.getTime() + (exdays*24*60*60*1000));
  var expires = "expires=" + d.toGMTString();
document.cookie = cname + "=" + cvalue + ";" + expires + ";path=/";
}

function getCookie(cname) {
  var name = cname + "=";
  var decodedCookie = decodeURIComponent(document.cookie);
  var ca = decodedCookie.split(';');
  for(var i = 0; i<ca.length; i++) {
    var c = ca[i];
    while (c.charAt(0) == ' ') {
      c = c.substring(1);
    }
    if (c.indexOf(name) == 0) {
      return c.substring(name.length, c.length);
    }
  }
  return "";
}

function checkCookie() {
  var user=getCookie("username");
  if (user != "") {
    alert("Welcome again " + user);
```

```
  } else {
    user = prompt("Please enter your name:","");
    if (user != "" && user != null) {
setCookie("username", user, 30);
    }
  }
}
</script>
</head>
<body onload="checkCookie()"></body>
</html>
```
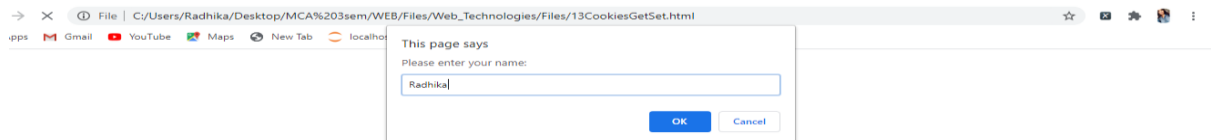
Question 14. Perform following validations using javascript:
a. Validate the numeric input of data on a text box
b. If any field is empty then an alert message should get displayed
c. Date and email format validations

HTML
```
<html>
  <head>
    <title></title>
    <link rel="stylesheet" href="14ValReg.css">
    <script src="14validationRegistration.js"></script>

  </head>

  <body>
  <div class='main'>
    <div class='regform'>
      <h1>Registration Form</h1>
    </div>


    <form>
      <div id= 'name'>
        <h2 class='name'>First Name</h2>
        <input class='fname' type='text' id='f' name='First_Name' placeholder="Enter First
Name" required><br>
```

```html
        <h2 class='name'>Enter DOB[dd-mm-yyyy]</h2>
        <input class='fname' type='text' name='text1' id-'l' placeholder="Enter DOB"
required><br>
    </div>


    <h2 class='name'>Email</h2>
        <input class='fname' type='text' name='Email' placeholder="Enter Email"
required><br>



    <h2 class='name'>Phone Number</h2>
        <input class='fname' type='text' name='Phone_No' id='pno' placeholder="Enter
Phone Number" maxlength="10"  required><br>


    <h2 class='name'>Address</h2>
    <textarea class='add' rows="2" cols="40" required></textarea>
    <br>


    <h2 class='name'> favourite Pet</h2>
    <select class='fname' name='Pet'>
    <option disabled='disabled' selected='selected'>--Choose--</option>
    <option>Dog</option>
    <option>Rabbit</option>
    <option>Cat</option>
    </select>
    <br>


    <div >
        <h2 class='name'>Password</h2>
        <input class='fname' type='password' name='Password' id='p' placeholder="Enter
Password" maxlength="12" minlength="8" required><br>


        <h2 class='name'>Confirm Password</h2>
        <input class='fname' type='password' name='C_Password' id='cp'
placeholder="Confirm Password" maxlength="12" minlength="8" required><br>
    </div>



    <div style="background-color:#asghka"  align='center'>
    <button class='name' type="submit" onclick="Validate()" >Submit</button><br><br>
    </div>

    </form>
    </div>
  </body>
</html>
```


CSS

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

body{
    background-image: url('e.jpg');
    background-position: center;
    background-size: cover;
    font-family: sans-serif;
    margin-top: 20px;
}

.regform{
    margin-top: 20px;
    margin-left: 50px;
    width: 700px;
    background-color: rgb(0,0,0,6);
    margin: auto;
    color: aliceblue;
    padding: 10px 0px 10px 0px;
    text-align: center;
    border-radius: 15px 15px 0px 0px;
}

.main{
    background-color: rgb(0,0,0,0.5);
    width: 700px;
    margin: auto;
}

.form{
    padding: 20px;
}

.name{
    margin-left: 30px;
    margin-top: 10px;
    width: 150px;
    color: aliceblue;
    font-size: 16px;

    font-weight: 700;
}

.fname{
    position: relative;
    left: 200px;
    top: -17px;
```

```css
    line-height-step: 40px;
    border-radius: 7px;
    padding: 0 22px;
    font-size: 16px;
}

.add{
    position: relative;
    left: 200px;
    top: -17px;
    line-height-step: 40px;
    border-radius: 7px;
    padding: 0 22px;
    font-size: 16px;

}

button{
    background-color: white;
    width: 270px;
    height: 37px;
    background-color: rgba(0, 22, 0, 0.3);
    color: black;
    font-size: 16px;
    padding: 10px 24px;
    border-radius: 2px;
    transition-duration: 0.4s;
    border: 1px solid white;
    box-shadow: 0 8px 16px 0 rgba(0,0,0,0.2), 0 6px 20px 0 rgba(0,0,0,0.19);
}




.button:hover {
    background-color: #4CAF50; /* Green */
    color: white;
    }
```

JS
```javascript
    function Validate()
        {

    var fname= document.getElementById("f").value;
    var dob= document.getElementById("l").value;
    var email= document.getElementById("email").value;
    var pno= document.getElementById("pno").value;

            var p= document.getElementById("p").value;
            var c= document.getElementById("cp").value;
```

```
inputText=dob;
var dateformat = /^(0?[1-9]|[12][0-9]|3[01])[\/\-](0?[1-9]|1[012])[\/\-]\d{4}$/;
// Match the date format through regular expression
if(inputText.value.match(dateformat))
{
   document.form1.text1.focus();
   //Test which seperator is used '/' or '-'
   var opera1 = inputText.value.split('/');
   var opera2 = inputText.value.split('-');
   lopera1 = opera1.length;
   lopera2 = opera2.length;
   // Extract the string into month, date and year
   if (lopera1>1)
{
var pdate = inputText.value.split('/');
}
else if (lopera2>1)
{
var pdate = inputText.value.split('-');
}
var dd = parseInt(pdate[0]);
var mm  = parseInt(pdate[1]);
var yy = parseInt(pdate[2]);
// Create list of days of a month [assume there is no leap year by default]
var ListofDays = [31,28,31,30,31,30,31,31,30,31,30,31];
if (mm==1 || mm>2)
{
if (dd>ListofDays[mm-1])
{
   alert('Invalid date format!');
   return false;
}
}
if (mm==2)
{
var lyear = false;
if ( (!(yy % 4) && yy % 100) || !(yy % 400))
{
lyear = true;
}
if ((lyear==false) && (dd>=29))
{
   alert('Invalid date format!');
   return false;
}
if ((lyear==true) && (dd>29))
{
```

```
        alert('Invalid date format!');
        return false;
    }
    }
    }
    else
    {
    alert("Invalid date format!");
        document.form1.text1.focus();
        return false;
    }


        if (/^[a-zA-Z0-9.!#$%&'*+/=?^_`{|}~-]+@[a-zA-Z0-9-]+(?:\.[a-zA-Z0-9-
]+)*$/.test(email))
        {
            return (true);
        }
        else{
            alert("You have entered an invalid email address!");
         return (false);


        }




                if(!letters.test(fname))
                {
        alert('Name field required only alphabet characters');
        return false;

    }
    else if(!letters.test(lname))
                {
        alert('Name field required only alphabet characters');
        return false;

                }

    else if (!filter.test(email))
                {
        alert('Invalid email');
        return false;

                }

                else if(pno.length!=10)
                {
        alert('10 Characters');
        return false;
```

```
            }
        else if(p != cp)
            {
    alert ('Password Not Matched');
return false;

    }


        else
        {
alert('Sucessfully Registered');
return true;
        }
    }
```

15. Create an XML document as shown below and add CSS for styling and DTD for validation.

XML
```xml
<?xml-stylesheet type="text/css" href="xmlcss.css"?>
<!DOCTYPE people SYSTEM "15xmldtd.dtd">
<people >
<heading>XML VALIDATION</heading>
        <husband employed="Yes">
                <name>Mark</name>
                <age>45</age>
                <wife>
                        <wname>Janet</wname>
                        <age>29</age>
                </wife>
        </husband>
        <husband employed="No">
                <name>Matt</name>
                <age>42</age>
                <wife>
                        <wname>Annie</wname>
                        <age>43</age>
                </wife>
        </husband>
</people>
```

CSS
```css
people {
    background-image: url('https://encrypted-
tbn0.gstatic.com/images?q=tbn%3AANd9GcTyztluaSZiCRHBMosbvlzFqO-
9RIPP9796gQ&usqp=CAU');
    background-position: center;
    background-size: cover;
    font-family: sans-serif;
    margin-top: 20px;
    font-size:40px;
    width: 100%;
}
heading {
    color: brown ;
    font-size : 40px;
    margin-top: 70px;
    margin-left: 90px;
    margin-right: 90px;
    text-align: center;
    border: 3px solid green;
    background-color : rgb(1, 23, 26);
}
heading, wname, name, age, wife {
    display : block;
    margin-left: 90px;
    margin-right: 90px;
```

```
    color: blanchedalmond;
}
husband {
    font-size : 25px;
    font-weight : bold;
    margin-top: 20px;
    margin-left: 90px;
    margin-right: 90px;
}


DTD
<!DOCTYPE people
[
<!ELEMENT people (husband, name, age, wife)>
<!ELEMENT husband (#PCDATA)>
<!ELEMENT name (#PCDATA)>
<!ELEMENT age (#PCDATA)>
<!ELEMENT wife (#PCDATA)>
<!ELEMENT wname (#PCDATA)>
]>
```

WEEK 6

Question 16. Create a simple business card(name , phone(type-work and home), email id, company name) in xml.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/css" href="Business.css"?>
<businesscard>

    <name>Bharti Dua</name>
    <phone type="Work">8700566293</phone>
    <email>bhartidua100@gmail.com</email>
    <company>ETI Labs Pvt. Ltd.</company>

</businesscard>
```

CSS File:

```css
businesscard
{
    font-family:Trattatello;
    font-size: 18px;
    color: black;
    display: block;
    padding: 10px;
    margin: 20px;
    background-color:#abf89c;
    width: 400px;
    border: 5px;
    border: 2px solid;
    text-align: left;
}

name
{
    display: block;
    font-weight: bold;
}

phone
{
    display: block;
}

company
{
    display:block;
}

email
{
```

```
    display: block;
    color: Blue;
}

email:before { content: "Email: " }
phone:before  { content: attr(type) ": " }
phone[primary]:after { content:"(" attr(primary) ")" }
```
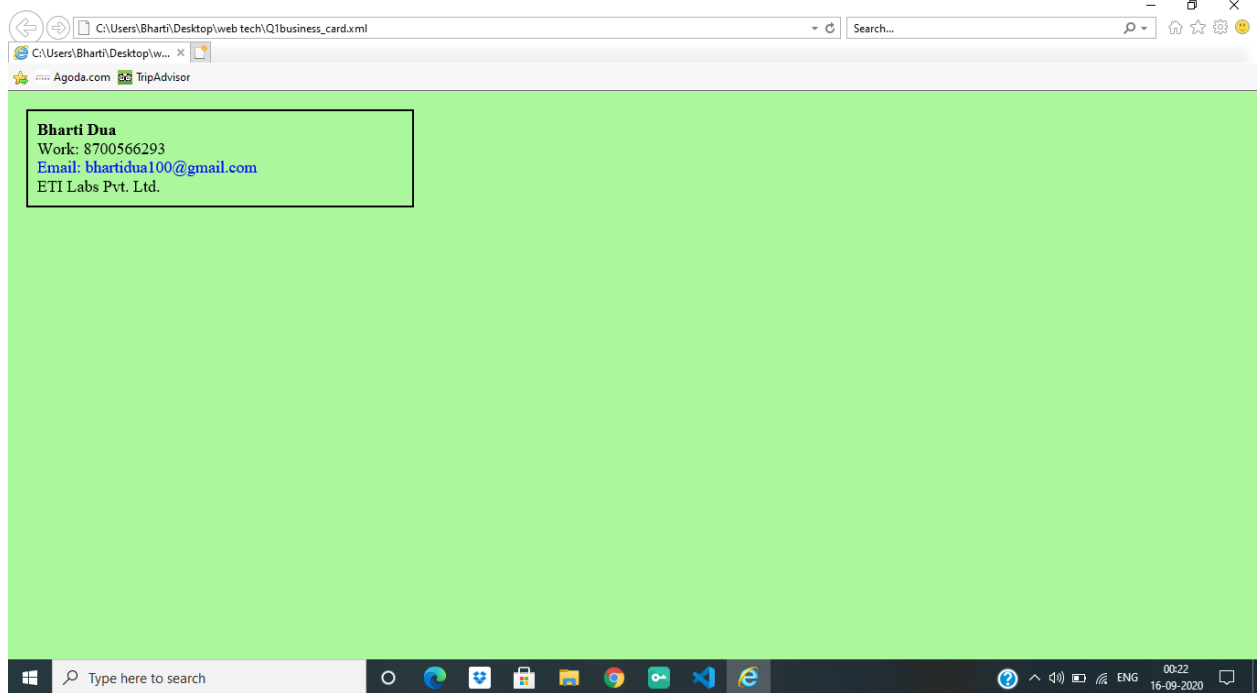

Question 17 .Create XML for :
ProductLisiting
Product
name
description
price

```xml
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/css" href="product.css"?>
<productlisting>
<product>
   <name>Hand Bag</name>
   <description>Latest design,trendy and classy for casual outing</description>
   <price> Rs. 500</price>
</product>
<product>
   <name>Dress</name>
   <description>Simple, Beautiful Cotton Dress suitable for summers. </description>
   <price>Rs.2000</price>
</product>
<product>
   <name>Earrings</name>
   <description>Elegant and Stylish earrings for all purpose.</description>
```

<price>Rs. 200</price>
</product>

</productlisting>

CSS File:

```css
product{
font-family : Calibri;
font-size: 8px;
background-color : rgb(255, 169, 212);
display: block;
padding: 20px;
margin: 20px;
border: 2px solid;
border-color: rgb(81, 0, 128);
color:  black;
width: 400px

}
name {
color: black;
font-size : 13px;
font-weight : bold;
}
description{
display : block;
font-style: italic;

}
price{
color: blue;
display: bold;
}
```
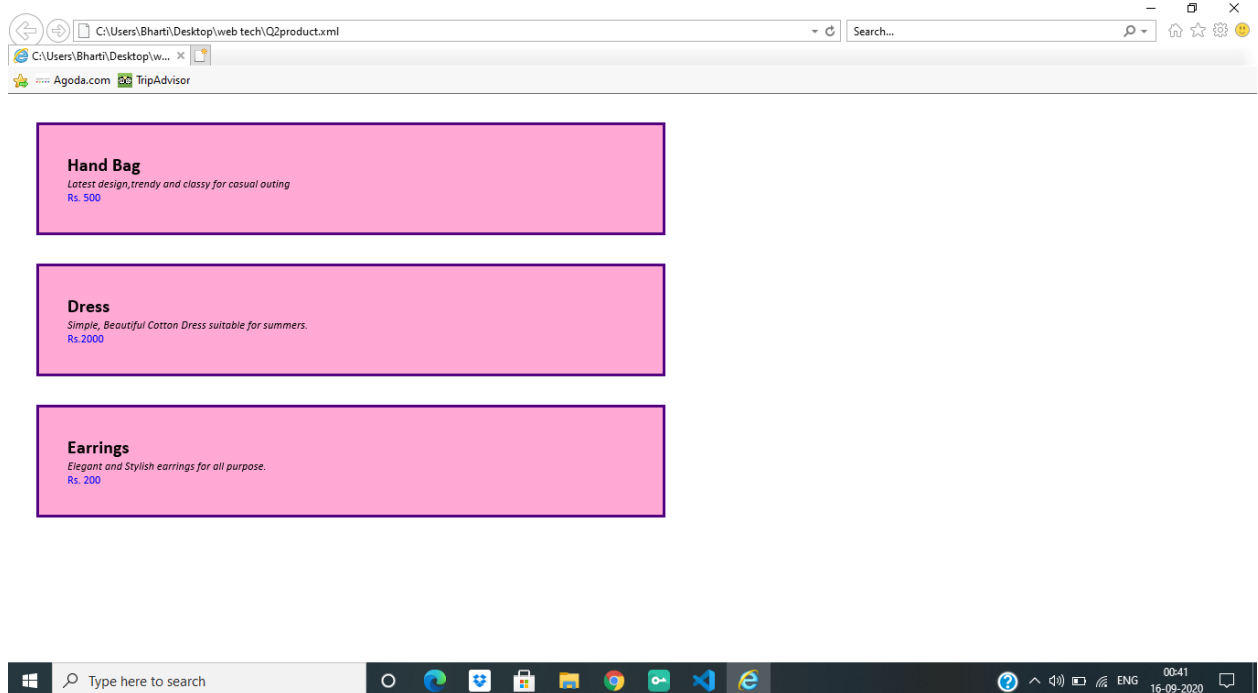
Q18. ADD CSS (Business.css and Product.css) styling for Businesscard.xml and Product.xml

CSS added in Q1, Q2

WEEK 7

Question 19. CREATE BOOK.XML AND VALIDATE IT USING BOOK.DTD

```
<mybooks>
  <book>
    <bookname></bookname>
    <bookid></bookid>
    <bookdescription>

    </bookdescription>

  </book>
  <book>
    <bookname></bookname>
    <bookid></bookid> <desc>

</desc> </book>

  </mybooks>
```

CODE

XML file :

```xml
<?xml version="1.0" encoding="UTF 8"?>
```

```xml
<!DOCTYPE mybooks SYSTEM "bookss.dtd">
```

```xml
<mybooks>

  <book>

    <bookname>"Web Tech"</bookname>

    <bookid>10</bookid>

    <bookdescription>Introduction to Web</bookdescription>

  </book>
  <book>

    <bookname>"Basics of HTML/CSS"</bookname>

    <bookid>123</bookid>

    <bookdescription>New Edition</bookdescription>

  </book>

</mybooks>
```

DTD file :

```xml
<?xml version="1.0" encoding="UTF 8"?>
```

```dtd
  <!ELEMENT mybooks (book+)>

  <!ELEMENT book (bookname,bookid*, (bookdescription|des c?))>

  <!ELEMENT bookname (#PCDATA)>
```
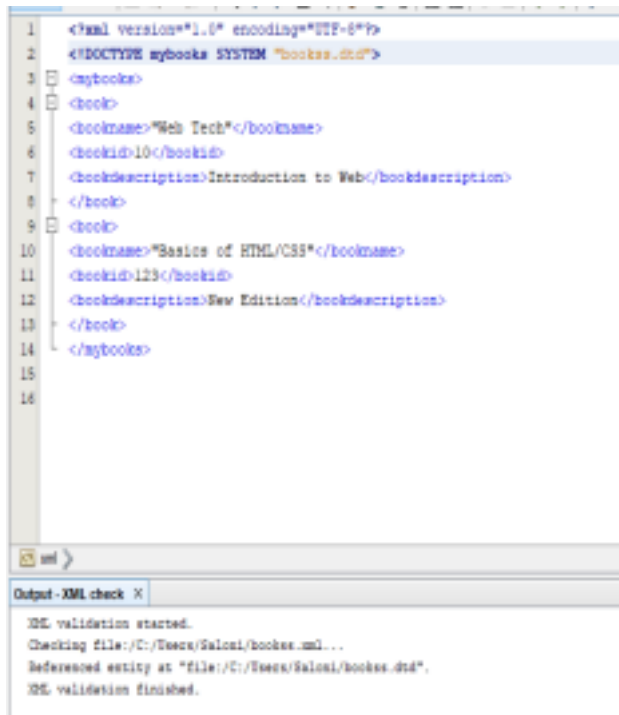
<!ELEMENT bookid
(#PCDATA)>

<!ELEMENT bookdescription
(#PCDATA)>

OUTPUT :

Question 20. CREATE XML OF CATALOG.XML AND VALIDATE USING SCHEMA. PRICE RANGE (10-100), ALL THE ELEMENTS SHOULD BE IN THE SAME ORDER.

Code –

Xml file :

```
<?xml version="1.0" encoding="UTF-8"?>

<catalog xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="catalogg.xsd"> <cd>
    <title>Empire Burlesque</title>
    <artist>Bob Dylan</artist>
    <country>USA</country>
```

```
            <company>Columbia</company>
            <price>10</price> </cd> <cd>
            <title>Hide your Heart</title>
            <artist>Bonnie Carlson</artist>
            <country>Bulgaria</country>
            <company>London</company>
            <price>90</price> </cd>
            </catalog>
```

Schema File :

```
<?xml version="1.0"?>
<xs:schema version="1.0"
    xmlns:xs="http://www.w3.org/2001/XMLSchema"
    elementFormDefault="qualified"> <xs:element
    name="catalog">
        <xs:complexType>
            <xs:sequence>
    <xs:element ref="cd" minOccurs='1' maxOccurs='unbounded'/>
    </xs:sequence> </xs:complexType> </xs:element>

    <xs:element name="cd">
        <xs:complexType>
            <xs:sequence>
                <xs:element name="title" minOccurs='0' maxOccurs='1'
                type='xs:string'/>  <xs:element name="artist" minOccurs='0'
                maxOccurs='1' type='xs:string'/>  <xs:element name="country"
                minOccurs='0' maxOccurs='1' type='xs:string'/>  <xs:element
                name="company" minOccurs='0' maxOccurs='1'
                type='xs:string'/> <xs:element name="price">
                    <xs:simpleType>
                        <xs:restriction base="xs:integer">
                <xs:minInclusive value="10"/>
                <xs:maxInclusive value="100"/>
                </xs:restriction> </xs:simpleType>
                </xs:element>

    </xs:sequence>
</xs:complexType>
</xs:element>
</xs:schema>
OUTPUT
```

Question21
CREATE STUDENT.XML (STUDENTS(STUDENT(NAME,AGE,ROLLNO,COURSE))AND VALIDATE IT USING SCHEMA . RESTRICTION ON AGE(18-25),ROLLNO(1-70) AND NUMERIC VALUE ALLOWED ON ROLLNO AND AGE. RESTRICTION ON COURSE USING ENUMERATION(MCA,BTECH,MTECH)

Code –

XML file :

```
<?xml
version="1.0"
encoding="UTF
8"?>

<students

xmlns:xsi="http://
www.w3.org/200
1/XMLSchema
</student>

</students>
```

Schema File :

```
<?xml version="1.0" encoding="UTF-8"?>

<xs:schema version="1.0"

        xmlns:xs="http://www.w3.org/2001/XMLSchema"

        elementFormDefault="qualified">
```

```xml
<xs:element name="students">

  <xs:complexType>

    <xs:sequence>

      <xs:element ref="student" minOccurs='1'

    maxOccurs='unbounded'/> </xs:sequence>

  </xs:complexType>

</xs:element>


<xs:element name="student">

  <xs:complexType>

    <xs:sequence>

      <xs:element name="name" minOccurs='0' maxOccurs='1'

      type='xs:string'/> <xs:element name="rollno">

        <xs:simpleType>

          <xs:restriction base="xs:integer">

            <xs:minInclusive value="1"/>

            <xs:maxInclusive value="70"/>

          </xs:restriction>

        </xs:simpleType>

      </xs:element>
      <xs:element name="age">

        <xs:simpleType>

          <xs:restriction base="xs:integer">

            <xs:minInclusive value="18"/>

            <xs:maxInclusive value="25"/>

          </xs:restriction>
        </xs:simpleType>

      </xs:element>

      <xs:element name="course">

        <xs:simpleType>

          <xs:restriction base="xs:string">
```

<xs:enumeration value="B.Tech."/>

<xs:enumeration value="M.Tech."/>

<xs:enumeration value="MCA"/>

</xs:restriction>

</xs:simpleType>

</xs:element>

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

WEEK 10

Question 22: Using php get the information of student in registration form 1) using post method.

//reg.php

```
<!DOCTYPE HTML>
<html>
<head>
<body bgcolor="yellow">
<form action="action_page.php" method="get">
 <div class="container">
   <h1>Register</h1>
   <p>Please fill in this form.</p>
   <hr>
   <input type="text" placeholder="name" name="name" id="name" required>

   <label for="email"><b>Email</b></label>
   <input type="text" placeholder="Enter Email" name="email" id="email"
required>
```

```
        <input type="course" placeholder="course" name="course" id="course"
required>
            <input type="year" placeholder="year" name="year" id="year" required>
            <label for="psw"><b>Password</b></label>
        <input type="password" placeholder="Enter Password" name="psw" id="psw"
required>
    <input type="submit">




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

//action_page.php

```
<?php
echo "<b> output <br>";
echo $_GET["name"]; echo"<br>";
echo $_GET["email"]; echo"<br>";
echo $_GET["psw"]; echo"<br>";
echo $_GET["course"]; echo"<br>";
echo $_GET["year"]; echo"<br>";
?>
```

2)**POST METHOD**

```
<!DOCTYPE HTML>
<html>
<head>
<body bgcolor="yellow">
<form action="action_page.php" method="POST">
  <div class="container">
    <h1>Register</h1>
    <p>Please fill in this form.</p>
    <hr>
    <input type="text" placeholder="name" name="name" id="name" required>

    <label for="email"><b>Email</b></label>
```

```html
    <input type="text" placeholder="Enter Email" name="email" id="email" required>

    <input type="course" placeholder="course" name="course" id="course" required>
        <input type="year" placeholder="year" name="year" id="year" required>
        <label for="psw"><b>Password</b></label>
    <input type="password" placeholder="Enter Password" name="psw" id="psw" required>
  <input type="submit">




</form>



</body>
</html>
```

ACTION_PAGE.PHP

```php
<?php
echo "<b><U> OUTPUT</U> <br></b>";
echo $_POST["name"]; echo"<br>";
echo $_POST["email"]; echo"<br>";
echo $_POST["psw"]; echo"<br>";
echo $_POST["course"]; echo"<br>";
echo $_POST["year"]; echo"<br>";

?>
```

Output:

Question 23 : Include footer using include statement in php

//reg.php

```html
<!DOCTYPE HTML>
<html>
<head>
```

```html
<body >
<form action="action_page.php" method="post">
  <div class="container" style="margin-top:10px; text-align:center;
background-color:yellow; height:30em">
    <h1>Register</h1>
    <p>Please fill in this form.</p>
    <hr>
    <input type="text" placeholder="name" name="name" id="name" required>


    <label for="email"><b>Email</b></label>
    <input type="text" placeholder="Enter Email" name="email" id="email"
required>


    <input type="course" placeholder="course" name="course" id="course"
required>
        <input type="year" placeholder="year" name="year" id="year" required>
        <label for="psw"><b>Password</b></label>
    <input type="password" placeholder="Enter Password" name="psw" id="psw"
required>
  <input type="submit">




</form>
</div>
<div>
<?php
include"footer.php";
?>

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

//footer.php

```html
<!doctype html>
<body >
<div style="margin-top:10px; text-align:center;
margin:auto;background-color:pink;height:50px;">
copyright@radhika2020
</div>
```

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


Question 24: include file handling using php

```php
<?php
 $filename = "temp.txt";
$file = fopen( $filename, "r" );
if( $file == false )
{ echo ( "Error in opening file" );
exit(); }
$filesize = filesize( $filename );
$filetext = fread( $file, $filesize );
fclose( $file ); echo ( "File size : $filesize bytes" );
echo ( "<pre>$filetext</pre>" );
?>
```

//temp.txt

Radhika
mca
2 year
Indira Gandhi Delhi Technical University
Output:

WEEK 10

Ques 25 : Write a simple PHP script which will check the following on user input data:

    ● **Enter your university name:**

    ● **length of the input is greater than 10 then show an error ● Input is equals to igdtuw then display ok otherwise show an error ● Display reverse of the data**

PHP Code: (uni.php)

```html
<html>
<head>

<title> Operations using PHP </title>

</head>

<body>

<form action="qst1.php" method="post">

Enter your University name <input type="text" name="string_value" required/>

<input type="submit" value="check"/>

</form>


</body>

</html>
```

PHP Code: (validations)(qst1.php)

```php
<html>

<body>

<?php

$string= $_POST['string_value'];
```

```php
$string_check="igdtuw"; if(strlen($string)
>=10)

        echo("ERROR! Length should be less than 10 ; "); if($string ==
$string_check)

echo "OK";

else

echo("ERROR! Not the correct university name ; ");

        echo("; Reverse of the string is: ");
        echo strrev($string);

 ?>

 </body>

 </html>
```
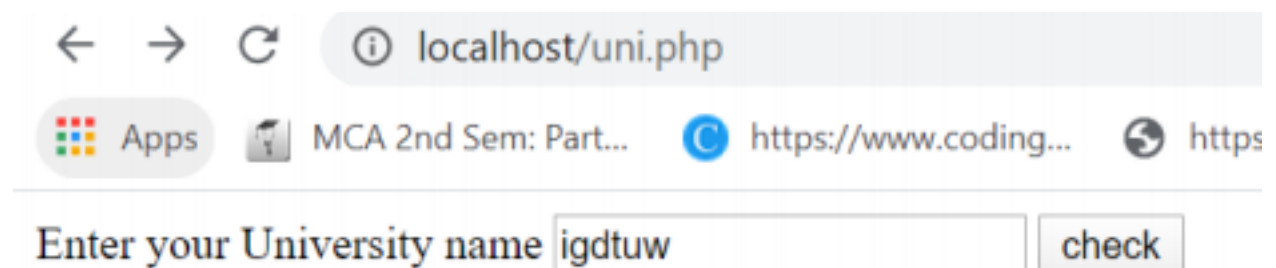
1) using post method.

//reg.php

```html
<!DOCTYPE HTML>
<html>
<head>
<body bgcolor="yellow">
<form action="action_page.php" method="get">
  <div class="container">
   <h1>Register</h1>
   <p>Please fill in this form.</p>
   <hr>
   <input type="text" placeholder="name" name="name" id="name" required>

   <label for="email"><b>Email</b></label>
   <input type="text" placeholder="Enter Email" name="email" id="email"
required>

   <input type="course" placeholder="course" name="course" id="course"
required>
      <input type="year" placeholder="year" name="year" id="year" required>
      <label for="psw"><b>Password</b></label>
   <input type="password" placeholder="Enter Password" name="psw" id="psw"
required>
  <input type="submit">
```

```
</form>


</body>
</html>
```

//action_page.php

```php
<?php
echo "<b> output <br>";
echo $_GET["name"]; echo"<br>";
echo $_GET["email"]; echo"<br>";
echo $_GET["psw"]; echo"<br>";
echo $_GET["course"]; echo"<br>";
echo $_GET["year"]; echo"<br>";
?>
```

2)**POST METHOD**

```html
<!DOCTYPE HTML>
<html>
<head>
<body bgcolor="yellow">
<form action="action_page.php" method="POST">
  <div class="container">
    <h1>Register</h1>
    <p>Please fill in this form.</p>
    <hr>
    <input type="text" placeholder="name" name="name" id="name" required>

    <label for="email"><b>Email</b></label>
    <input type="text" placeholder="Enter Email" name="email" id="email"
required>

    <input type="course" placeholder="course" name="course" id="course"
required>
        <input type="year" placeholder="year" name="year" id="year" required>
        <label for="psw"><b>Password</b></label>
```

```
    <input type="password" placeholder="Enter Password" name="psw" id="psw"
required>
  <input type="submit">

</form>

</body>
</html>
```

ACTION_PAGE.PHP

```
<?php
echo "<b><U> OUTPUT</U> <br></b>";
echo $_POST["name"]; echo"<br>";
echo $_POST["email"]; echo"<br>";
echo $_POST["psw"]; echo"<br>";
echo $_POST["course"]; echo"<br>";
echo $_POST["year"]; echo"<br>";

?>
```

Output:

Ques 3: Write a php script to display the result (+,-,*,/) calculator (a, b are two inputs).

PHP Code:

```php
<!DOCTYPE html>

<html>

<head>

<title></title>

</head>

<body>
<?php

$second="";

$first=""; if(isset($_POST['submit']))

{
$first = $_POST['firstNumber'];

$second = $_POST['secondNumber']; switch
($_POST['submit'])

{

case 'Addition':

                    $result=$_POST['firstNumber']+$_POST['secondNumber']; break;

case 'Subtration':

                    $result=$_POST['firstNumber']-

                    $_POST['secondNumber'];
                    break;
case 'Multiplication':

                    $result=$_POST['firstNumber']*$_POST['secondNumber']; break;

case 'Division':

                    $result=$_POST['firstNumber']/$_POST['secondNumber']; break;



default: $result=""; break;
```

```php
      }

}

?>

<form action="#" method="POST">

<input type="number" name="firstNumber" required="required"
value="<?php echo $first;?>">

<input type="number" name="secondNumber" required="required"
value="<?php echo $second;?>">
<input type="submit" name="submit" value="Addition">

<input type="submit" name="submit" value="Subtration">

<input type="submit" name="submit" value="Multiplication">

<input type="submit" name="submit" value="Division">

</form>


<?php if(isset($_POST['submit'])){

echo "<h3>Answer : $result</h3>";

}

?>

  </body>

</html>
```

OUTPUT:

ADDITION:

Lab 12

Ques 1: You are required to read the contents of the file studentsInfo.txt (having roll no of students) line by line and display it to the browser window. Further, write the file contents back to a new file called yourName.txt (marks of students).

Code:
PHP Code for reading the file StudentsInfo.txt line by line and writing the content back in temp.text

```
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="UTF-8">
 <title>File Handling</title>
</head>
<body>
<style
>
div{
 margin:auto
 ; color:Red;
}
</style>
<H1>Reading and Writing to a file</H1>
<div>
 <?php
$myfile = fopen("StudentsInfo.txt", "r") or die("Unable to open file!");
$mywfile = fopen("temp.txt", "w");
while(!feof($myfile)) {
$txt = fgets($myfile);
fwrite($mywfile,$txt);
echo "<h3>". $txt."</h3>";
}
fclose($myfile);
fclose($mywfile
);
?>

</div>
```

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

Output:
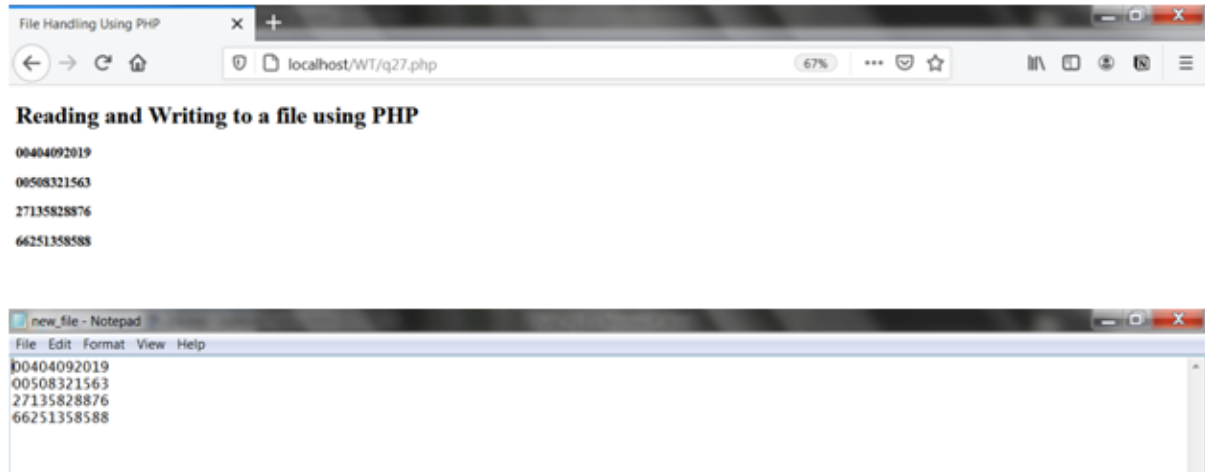
Ques 2: To create a php program to demonstrate the different file handling methods.

Code:

1. **Opening and Reading a file - with fread()**
   <u>PHP Code:</u>

```php
<?php
    $filename="f1.txt";
    $fp=fopen($filename, "r");
    //opening a file
    $contents = fread($fp, filesize($filename));
    //reading a file
    echo "<pre> $contents </pre>"; //displaying the data from the file on screen
    fclose($fp);
?>
```

1. **Opening and reading a file - with fgets()**
   <u>PHP Code:</u>

```php
<?php
    $filename="f1.txt";
    $fp=fopen($filename, "r");
    //opening a file in read mode echo
    fgets($fp);
    //displaying the data from the file on screen
    fclose($fp);
```

```
?>
```

1. Opening and reading a file - with fgetc()

<u>PHP Code:</u>

```php
<?php
$filename="f1.txt";
$fp=fopen($filename, "r"); //opening a file in read mode
while(!feof($fp)) //until end of file is reached
{
echo fgetc($fp);
}
fclose($fp);
?>
```

Output:

f1.txt:
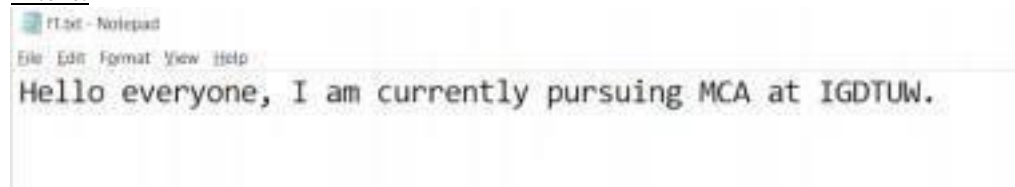
On browser (fread()):

On browser (fgets()):
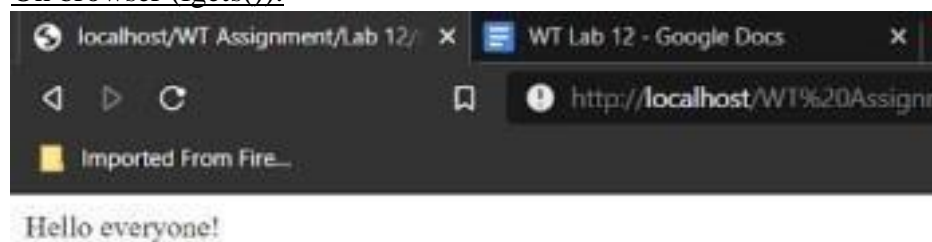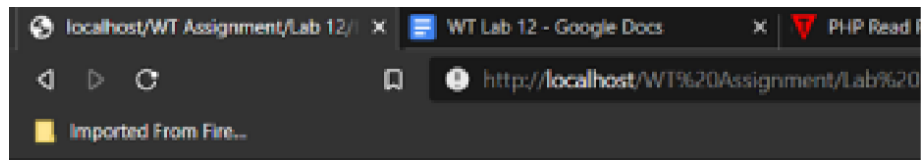
On browser (fgetc()):

1. Writing in a file

PHP Code:

```php
<?php




?>
```

Output:

newfile.txt
```php
$myfile = fopen("newfile.txt", "w") or die("Unable to open file!");
$txt = "WEB TECHNOLOGY\n";
fwrite($myfile, $txt);
$txt = "MCA\n"; fwrite($myfile,
$txt); fclose($myfile);
```


1. Delete a file

PHP Code:

```php
<?php
unlink('newfile.txt');
echo "File deleted successfully";
?>
```

File deleted successfully
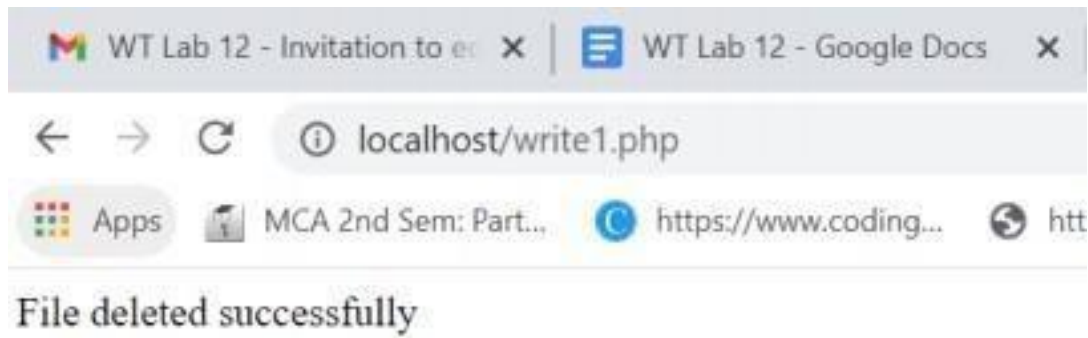
1. Appending data in the file

PHP Code:

```php
<?php
$fp = fopen('data.txt', 'a');//opens file in append mode
fwrite($fp, ' this is web tech subject '); fwrite($fp,
'appending data');
fclose($fp);
echo "File appended successfully";
?>
```

Output:

File before appending
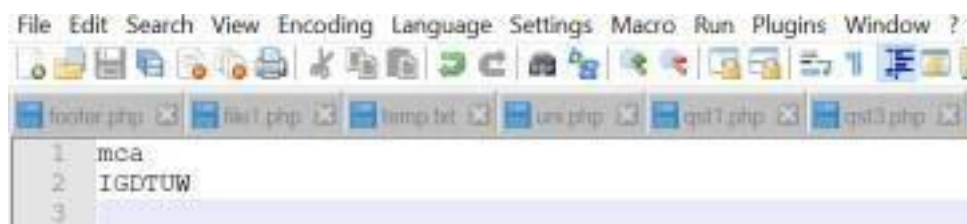
File appended:
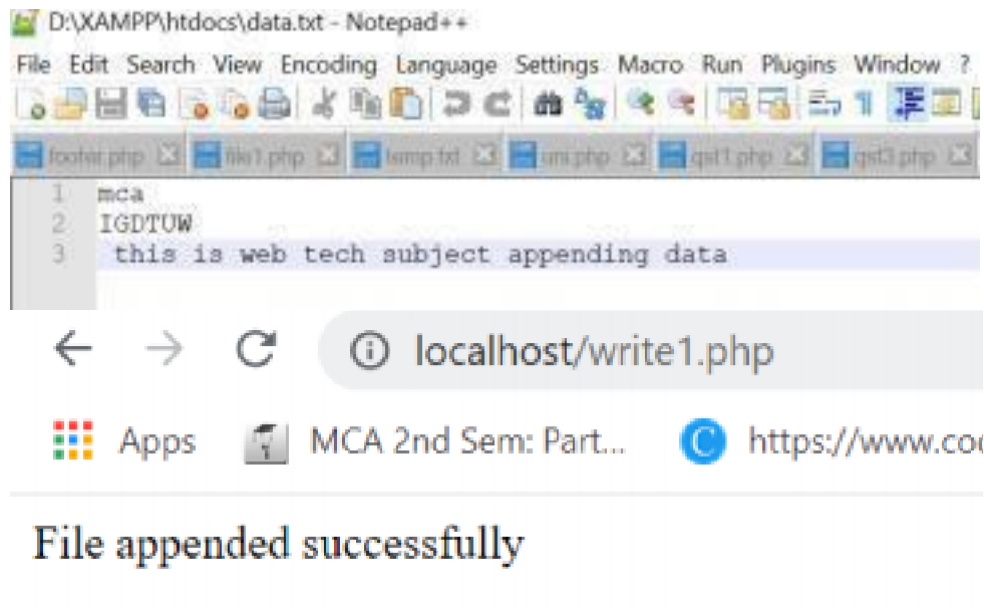
Ques 3: Use and configure PhpMyAdmin to manage mySQL databases:
Create database University and student table (name, rollno, marks)
and perform following using sql query:
 i.insert 5 records in the table
 ii.update any records
iii.Delete any one record from the student table.

i)
INSERT INTO `student`(`ID`, `Name`, `Roll no`, `Marks`) VALUES (1,'Ram','12','40')
INSERT INTO `student`(`ID`, `Name`, `Roll no`, `Marks`) VALUES (2,'Shyam','14','90')
INSERT INTO `student`(`ID`, `Name`, `Roll no`, `Marks`) VALUES (3,'Raman','20','50')
INSERT INTO `student`(`ID`, `Name`, `Roll no`, `Marks`) VALUES (4,'Sam','2','80')
ii.   UPDATE `student` SET `ID`=5,`Name`='Mohan',`Roll no`=9,`Marks`=100
       WHERE `ID`=1;
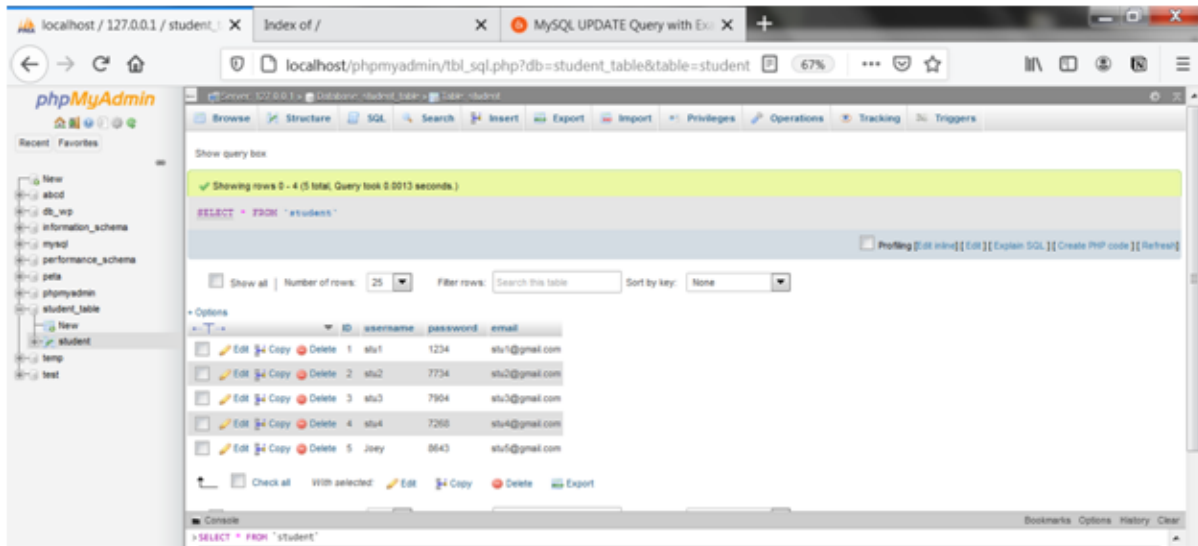
iii.   DELETE FROM `student` WHERE `ID`=5;
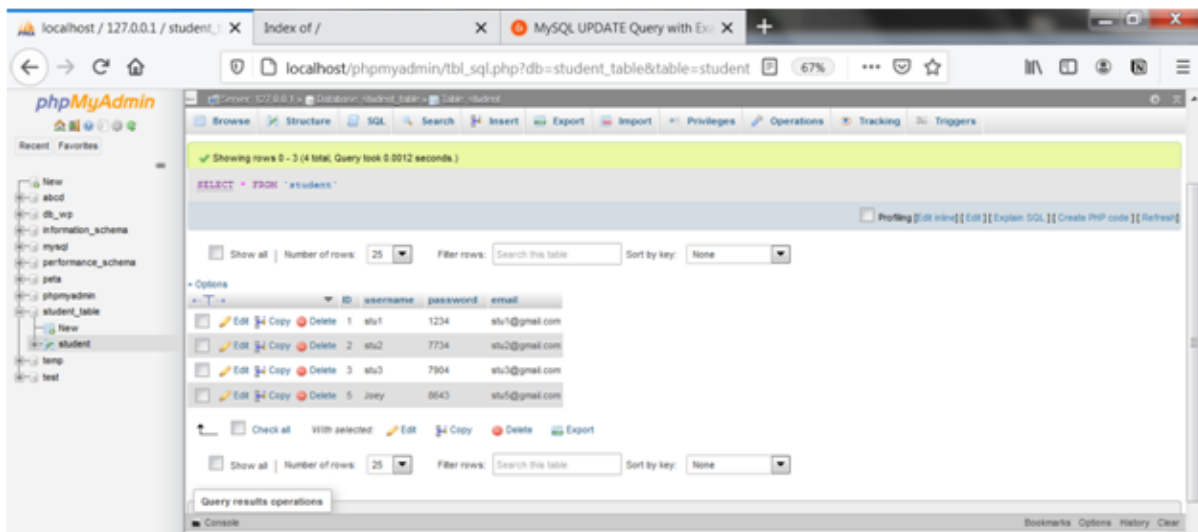
WEEK 13

1. Perform the PHP MySQL connection using PDO :
  i.create database(University) and table(student)
 ii.insert records using prepare statement.
iii.Delete any record

i) , ii)

```php
<?php
```

```php
//Create connection

/*$conn=new PDO("mysql:host=localhost;dbname=university;","root","");*/

$dsn="mysql:host=localhost;dbname=university;";
$db_user="root";
$db_pass="";
try{

$conn=new PDO($dsn,$db_user,$db_pass);

//sql to create table
  $sql1 = "CREATE TABLE student (
  id INT(6),
  firstname VARCHAR(30),
  lastname VARCHAR(30),
  email VARCHAR(50))";


  $conn->exec($sql1);
  echo "Table student created successfully";

//sql to insert record
$sql2 = "INSERT INTO student VALUES (111,'J3', 'D3d', 'abc@example.com')";

if ($conn->query($sql2) === TRUE) {
  echo "New record created successfully";
}

//Prepare statement

 $stmt = $conn->prepare("INSERT INTO student (id,firstname, lastname, email)
  VALUES (?,?,?, ?)");
$stmt->bindParam(1, $id);
  $stmt->bindParam(2, $firstname);
  $stmt->bindParam(3, $lastname);
  $stmt->bindParam(4, $email);

  // insert a row
$id=115;
  $firstname = "Rahul";
  $lastname = "mn";
  $email = "rm@gmail.com";
  $stmt->execute();

  // insert another row
$id=116;
  $firstname = "Shivnai";
  $lastname = "Ra";
  $email = "sr@yahoo.com";
  $stmt->execute();

  // insert another row
$id=117;
```

```php
        $firstname = "soor";
        $lastname = "Kapoor";
        $email = "sk@gmail.com";
        $stmt->execute();

        echo "New records created successfully";
?>
```


iii) Delete any record in table

```php
<?php
//Create connection

/*$conn=new PDO("mysql:host=localhost;dbname=university;","root","");*/

$dsn="mysql:host=localhost;dbname=university;";
$db_user="root";
```

```php
$db_pass="";
try{

$conn=new PDO($dsn,$db_user,$db_pass);

//sql to create table
  $sql1 = "CREATE TABLE student (
  id INT(6),
  firstname VARCHAR(30),
  lastname VARCHAR(30),
  email VARCHAR(50))";


  $conn->exec($sql1);
  echo "Table student created successfully";

//sql to insert record
$sql2 = "INSERT INTO student VALUES (111,'J3', 'D3d', 'abc@example.com')";

if ($conn->query($sql2) === TRUE) {
  echo "New record created successfully";
}

//Prepare statment

 $stmt = $conn->prepare("INSERT INTO student (id,firstname, lastname, email)
  VALUES (?,?,?, ?)");
$stmt->bindParam(1, $id);
  $stmt->bindParam(2, $firstname);
  $stmt->bindParam(3, $lastname);
  $stmt->bindParam(4, $email);

  // insert a row
$id=115;
  $firstname = "Rahul";
  $lastname = "mn";
  $email = "rm@gmail.com";
  $stmt->execute();

  // insert another row
$id=116;
  $firstname = "Shivnai";
  $lastname = "Ra";
  $email = "sr@yahoo.com";
  $stmt->execute();

  // insert another row
$id=117;
  $firstname = "soor";
  $lastname = "Kapoor";
  $email = "sk@gmail.com";
  $stmt->execute();

  echo "New records created successfully";
```

```
  // sql to delete a record
  $sql = "DELETE FROM student WHERE id=111";
  // use exec() because no results are returned
 $conn->exec($sql);
}
catch(PDOException $e){
 echo "connection failed".$e->getMessage();
}

if($conn)
{
echo "connected";
}

?>
```

id	firstname	lastname	email
115	Rahul	mn	rm@gmail.com
116	Shivnai	Ra	sr@yahoo.com
117	soor	Kapoor	sk@gmail.com
115	Rahul	mn	rm@gmail.com
116	Shivnai	Ra	sr@yahoo.com
117	soor	Kapoor	sk@gmail.com

2) .Write the queries using PHP mysqli procedural and object oriented:
  i) Create the COMPANY DATABASE
  ii) Create TABLE EMPLOYEE (Fname, Lname, Eno, Address, Salary, Dname)
  iii) Retrieve the name and address of all employees who work for Sales department.
  iv) Find the names of employees whose salary is greater than Rs. 20,000/
  v) Insert multiple records in the table using multiple_query in mysqli
  vi) Update the department from HR to HRSales department

vii) delete employee record whose department is HR

i),ii),v)

```php
<?php
$mysql_host='localhost';
$mysql_username='root';$mysql_pwd='';
//CONNECt to the mysql database
$conn=mysqli_connect($mysql_host,$mysql_username,$mysql_pwd,'company');
$query2="CREATE TABLE Employee(eno VARCHAR(3) PRIMARY KEY,fname
VARCHAR(10),lname VARCHAR(10),sal VARCHAR(10),dname varchar(10))";
$result2=@mysqli_query($conn,$query2);
mysqli_close($conn);
?>
```

Server: 127.0.0.1 » Database: company » Table: employee

			eno	fname	lname	sal
Edit	Copy	Delete	1	raj	sharma	1000
Edit	Copy	Delete	101	Dsae	asif	1050
Edit	Copy	Delete	103	fgDe	lerif	1350
Edit	Copy	Delete	104	De	lif	150
Edit	Copy	Delete	2	kapil	verma	22300
Edit	Copy	Delete	3	monty	singh	21239
Edit	Copy	Delete	4	arjun	patel	32342

SELECT * FROM `employee`

Show all | Number of rows: 25 | Filter rows: Search this table

iii)

```php
<?php

$mysql_host='localhost';
$mysql_username='root';$mysql_pwd='';

//CONNECt to the mysql database
$conn=mysqli_connect($mysql_host,$mysql_username,$mysql_pwd,'company');

$query2="CREATE TABLE Employee(eno VARCHAR(3) PRIMARY KEY,fname
VARCHAR(10),lname VARCHAR(10),sal VARCHAR(10),dname varchar(10))";
$result2=@mysqli_query($conn,$query2);
$sql = "INSERT INTO employee (eno, fname, lname,sal,dname)values(2,'kapil',
'verma',    2230,'clerk');";
```

```php
$sql .=”INSERT INTO employee (eno, fname, lname,sal,dname)values(3,'monty', 'singh',
21239,'HR');”;
$sq .l=”INSERT INTO employee(eno, fname, lname,sal,dname)values(4,'arjun',
'patel',32342,'clerk')"; “

if(mysqli_multi_query($conn, $sql))
{
    echo "Records added successfully.";
}
$sq1l = "select * from employee where dname=’hr’ ";
$mysqli_query($conn,$sql1);
mysqli_close($conn);
?>
```


iv)

```php
<?php

$mysql_host='localhost';
$mysql_username='root';$mysql_pwd='';

//CONNECt to the mysql database
$conn=mysqli_connect($mysql_host,$mysql_username,$mysql_pwd,'company');
$query2="CREATE TABLE Employee(eno VARCHAR(3) PRIMARY KEY,fname
VARCHAR(10),lname VARCHAR(10),sal VARCHAR(10),dname varchar(10))";
$result2=@mysqli_query($conn,$query2);
$sql = "INSERT INTO employee (eno, fname, lname,sal,dname)values(2,'kapil',
'verma',    2230,'clerk');”;
$sql .=”INSERT INTO employee (eno, fname, lname,sal,dname)values(3,'monty', 'singh',
21239,'HR');”;
$sq .l=”INSERT INTO employee(eno, fname, lname,sal,dname)values(4,'arjun',
'patel',32342,'clerk')"; “

if(mysqli_multi_query($conn, $sql))
{
    echo "Records added successfully.";
}
```

```php
$sq1l = "select * from employee where sal>2000 ";
$mysqli_query($conn,$sql1);
mysqli_close($conn);
?>
```


vi)
```php
<?php

$mysql_host='localhost';
$mysql_username='root';$mysql_pwd='';

//CONNECt to the mysql database
$conn=mysqli_connect($mysql_host,$mysql_username,$mysql_pwd,'company');

$query2="CREATE TABLE Employee(eno VARCHAR(3) PRIMARY KEY,fname
VARCHAR(10),lname VARCHAR(10),sal VARCHAR(10),dname varchar(10))";


$result2=@mysqli_query($conn,$query2);

$sql = "INSERT INTO employee (eno, fname, lname,sal,dname)values(2,'kapil',
'verma',    2230,'clerk');";
$sql .="INSERT INTO employee (eno, fname, lname,sal,dname)values(3,'monty', 'singh',
21239,'HR');";
$sql .="INSERT INTO employee(eno, fname, lname,sal,dname)values(4,'arjun',
'patel',32342,'clerk')"; "

if(mysqli_multi_query($conn, $sql))
{
    echo "Records added successfully.";
}
$sq1l = "update employee set dname="hrsales" where dname="hr";
$mysqli_query($conn,$sql1);
mysqli_close($conn);
```

?>

				eno	fname	lname	sal	dname
☐	Edit	Copy	Delete	2	kapil	verma	2230	clerk
☐	Edit	Copy	Delete	3	monty	singh	21239	hrsales
☐	Edit	Copy	Delete	4	arjun	patel	32342	clerk

vii)

```php
<?php

$mysql_host='localhost';
$mysql_username='root';$mysql_pwd='';

//CONNECt to the mysql database
$conn=mysqli_connect($mysql_host,$mysql_username,$mysql_pwd,'company');
$query2="CREATE TABLE Employee(eno VARCHAR(3) PRIMARY KEY,fname
VARCHAR(10),lname VARCHAR(10),sal VARCHAR(10),dname varchar(10))";
$result2=@mysqli_query($conn,$query2);

$sql = "INSERT INTO employee (eno, fname, lname,sal,dname)values(2,'kapil',
'verma',   2230,'clerk');";
$sql .="INSERT INTO employee (eno, fname, lname,sal,dname)values(3,'monty', 'singh',
21239,'HR');";
$sq .l="INSERT INTO employee(eno, fname, lname,sal,dname)values(4,'arjun',
'patel',32342,'clerk')"; "

if(mysqli_multi_query($conn, $sql))
{
    echo "Records added successfully.";
}
$sq1l = "delete from employee where dname="hrsales";
$mysqli_query($conn,$sql1);
mysqli_close($conn);
```

?>