APPLICATION PROGRAMMING PRACTICAL FILE

SEMESTER 2

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I.T.

PRACTICAL-1

CREATING AN HTML WEB PAGE FORMS

HTML CODE:

```html
<!DOCTYPE html>
<html>
    <head>
        <title>Login</title>
        <style type="text/css">
        *{
            box-sizing: border-box;
            text-align: center;
            /* background-image: url('1.jpg');
            background-attachment: fixed;
            background-position: center;
            background-size: cover; */
            font-family:  Gabriola;
        }
        body{
            background-image: url('1.jpg');
            background-attachment: fixed;
            background-position: center;
            background-size: cover;
            /* background-repeat:round; */

        }
        h1{
            color: white;
            background-color: rgb(90, 29, 29);
            z-index: 2;
            font-family: Ink Free,Comic Sans MS, Gabriola;
        }
        #form_box{
            position: absolute;
            margin-left: 25%;
            margin-top: 4%;
            /* margin-right: 10%; */
            padding: 5% 10%;
            width: 45%;
            text-align: left;
            border: 2px solid rgb(78, 6, 6);
            border-radius: 5px;
            /* box-shadow: 1px 1px 1px 1px blue;s */
            background-color: white;
            z-index: 999;
```

```css
            font-family:  Gabriola;
            height: 70%;
        }

        input{
            border: 1px solid rgb(131, 0, 0);
            width: 99%;
          margin-left: auto;
            height: 20%;
        }
        /* input:hover,
        input:active{
            border: 1px solid rgb(131, 0, 0);

        } */
        #btn{
            border: 2px solid rgb(131, 0, 0);
            z-index: 9999;
            padding: 5px 5px;
            border-radius: 5px;
            transition: background-color 0.2s, color 0.2s;
            max-width: 110%;
            margin-left: auto;
            font-weight: bold;
        }
        #btn:hover,
        #btn:active{
            background-color: rgb(90, 29, 29);
            color: white;
            border: 2px solid rgb(131, 0, 0);
            border-radius: 5px;
            padding: 5px 5px;
            cursor: pointer;

        }
        </style>
    </head>

    <body>
        <h1>Login</h1>
        <!-- <div class="form_box"> -->
            <form  action="login_act.php" method="POST" id="form_box">

            <input type="text" id="name" name="email" placeholder="Username" r
equired><br><br>
            <input type="password" id="password" name="psw" placeholder="Passw
ord" required><br><br>
```
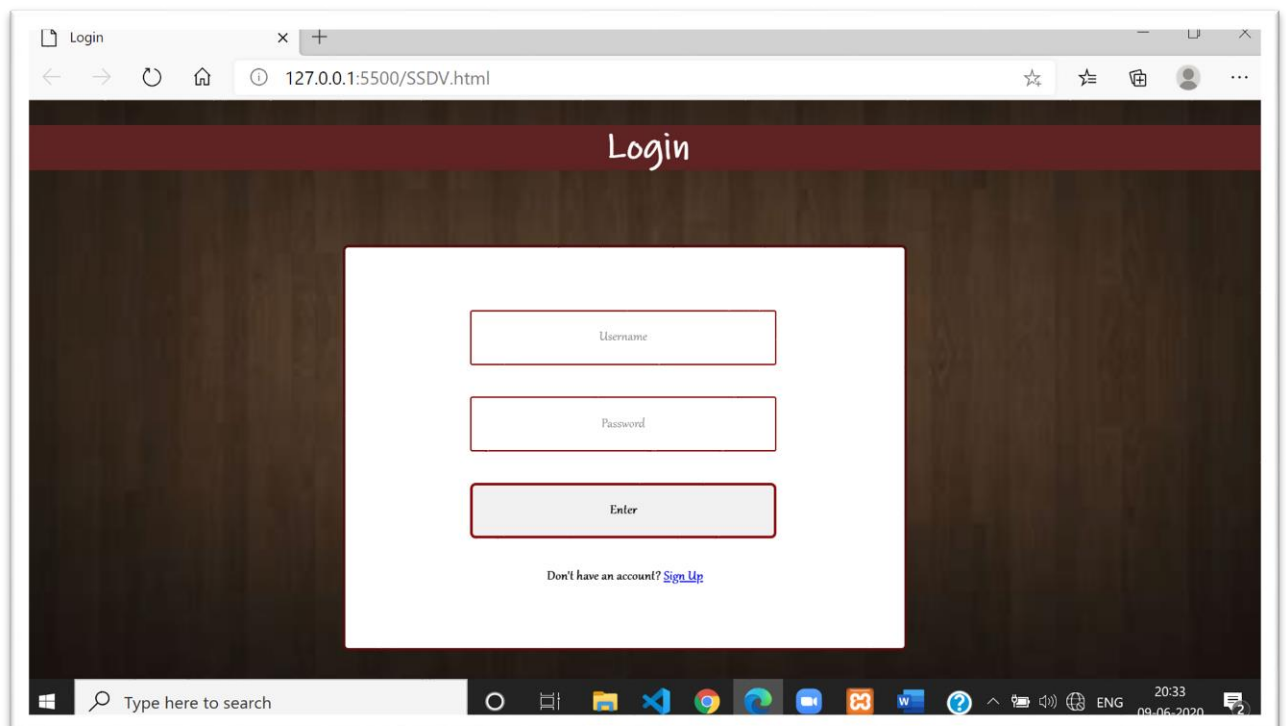
```
            <input type="submit" id="btn" value="Enter"><br>
            <h5>Don't have an account? <a href="register.php">Sign Up</a></h5>
        </form>




    </body>
</html>
```

OUTPUT:

PRACTICAL-2

CREATING AN HOME PAGE USING HTML

PROCEDURE:

HTML CODE FOR HOME.HTML

```html
<html>
   <frameset rows="25%, 80%, 15%" border="0px">
     <frame src="frame_a.html" >
     <frame src="frame_b.html" >
     <frame src="frame_c.html" >
   </frameset>
   <head><title>IIIT SONEPAT</title>
   <meta encoding="utf-8">
   <meta name="keyword" content="IIIT, SONEPAT, institute , information technology, kilohrad, iiit sonepat">
   <meta name="description" content="This site provides information about IIIT Sonepat, an MHRD institute of National Importance">

   </head>
   <body>

   </body>
   </html>
```

HTML CODE FOR FRAME_A.HTML

```html
<html>
    <head>
        <title>
            top frame
        </title>
        <style>
            *{
                margin: 0;
            padding: 0px;
                height: auto;
```

```css
        }
    body{margin-top: 2px;
        font-weight: lighter;
        color: rgb(211, 210, 210);
        background-color:rgb(153, 72, 72);
        font-
family: 'Lucida Sans', 'Lucida Sans Regular', 'Lucida Grande', 'Lucida Sans Un
icode', Geneva, Verdana, sans-serif ;
        }
    h2{
        margin-left:15px;
        }
    h2:hover{
        cursor: pointer;
        }
    table{margin-bottom: 0px;
        margin-left: 1px;
        color: grey;
        background-color: rgb(19, 19, 19);
        width: 1095px;
        }
    td{
        text-align: center;
        border-left: 1px solid grey;
        border-right: 1px solid grey;
        height: 2em;
        transition: background-color 0.2s;
        }
    td:hover,
    td:active{
        cursor: pointer;
        background-color:rgb(241, 241, 241);
        border-radius: 2px;
        color: black;
        }
    a{
        text-decoration: none;
        color: rgb(202, 202, 202);
        }
    a:hover,
    a:active{
        color:black
        }
    </style>
    </head>
    <body>
        <a href="about.html" target="_parent">
```

```html
        <H2><b>I</b>ndian <b>I</b>nstitute of <b>I</b>nformation <b>T</b>echno
logy <b>S</b>onepat</H2>
    </a>
        <br><table>
        <tr>
            <td><a href="about.html" target="_parent">About</a></td>
            <td><a href="academics1.html" target="_parent">Academics</a></td>
            <td><a href="admission1.html" target="_parent">Admission</a></td>
            <td><a href="placement1.html" target="_parent">Placement</a></td>

            <td><a href="tender1.html" target="_parent">Tenders</a></td>
            <td><a href="contact1.html" target="_parent">Contact Us</a></td>
        </tr>
    </table>
    </body>
</html>
```

HTML CODE FOR FRAME_B.HTML

```html
<html>
    <frameset cols=" 35%, 40%, 25%" border="0">
        <frame src="frame_1.html" >
        <frame src="frame_2.html" >
        <frame src="frame_3.html" >
    </frameset>
    <head><title>frame mid</title>frame </head>
    <body>

    </body>
</html>
```

HTML CODE FOR FRAME_C.HTML

```html
<html>
    <head><title>
        frame below
    </title>
    <style>
    body{
        background-color: rgb(32, 32, 32);
        color: rgb(173, 173, 173);
        font-size: 12px;
        text-decoration: none;
    }
    </style>
</head>
    <body>
        <p> Developed by Deepanshu Mittal (Branch I.T., Roll no. 11912056)<br>
```

```
        Contact Details:<br>
    Contact No.- 9350158036
        Email address:- deepanshu.mittal2050@gmail.com</p>
  </body>
</html>
```

HTML CODE FOR FRAME_1.HTML

```html
<html>
    <head>
        <title>
            frame left
        </title>
        <style>
        body{margin-top: 2px;
            font-weight: lighter;
            color:rgb(153, 72, 72);
            background-color: rgb(228, 228, 228);
            font-
family: 'Lucida Sans', 'Lucida Sans Regular', 'Lucida Grande', 'Lucida Sans Un
icode', Geneva, Verdana, sans-serif ;
            }
        h4{
            color: gray;
        }
        h4:hover{
             cursor: pointer;
        }
        .button{
            border: 1px solid  rgb(121, 53, 53);
            background-color: rgb(121, 54, 54);
            color: rgb(160, 158, 158);
            width: 80px;
            height: 30px;
            border-radius: 4px;
            transition:  background-color 0.2s, border 0.2s, color 0.2s ;
        }
        .button:hover{
            cursor: pointer;
            border:1px solid black;
            background-color: black;
            color: white;
        }
        input{
            border: 0;
            background-color: rgb(209, 181, 181);
        }
        input:hover{
```

```html
        cursor: pointer;
    }
    </style>
</head>
<body>
    <h4>Registeration Form</h4>
    <label for="name">Name: </label>
    <input type="text" name="name" placeholder="first-name" required>
    <input type="text" name="name" placeholder="last-name" required><br>
    <label for="age">Age: </label>
    <input type="number" min="10" max="50" value="20" step="1"  name="age"
 required><br>
    <label for="gender">Gender: </label>
    <input type="radio" name="gender" value="male" required>Male</input>
    <input type="radio" name="gender" value="female" required>Female</input>
    <input type="radio" name="gender" value="other" required>Other</input>
    <br>
    <label for="profession">Profession: </label>
    <input list="profession">
<datalist id="profession">
  <option value="Student">Student</option>
  <option value="Faculty">Faculty</option>
  <option value="Administration">Administration</option>
    <option value="Others">Others(please specify)</option></datalist>
    <br>
    <label for="name">Father's Name: </label>
    <input type="text" name="name" placeholder="Father's name" required><br>
    <label for="name">Mother's Name: </label>
    <input type="text" name="name" placeholder="Mother's name" required><br>
    <label for="dob">Date of birth: </label>
    <input type="date" name="dob" required><br>
    <label for="email">E-mail Address: </label>
    <input type="email" name="email" placeholder="abc@xyz.com" required><br>
    <label for="password">Password: </label>
    <input type="password" name="password" required><br>
    <input type="reset" value="Reset" class="button">
    <input type="submit" value="Sign Up" class="button">
    <br>Already have an account..<a href="sign.html">Sign in</a>
    </body>
</html>
```

HTML CODE FOR FRAME_2.HTML

```html
<html>
```

```html
    <head>
        <title>
            frame center
        </title>
        <style>
            body{
                font-weight: lighter;
            color:rgb(153, 72, 72);
            background-color: rgb(228, 228, 228);
            font-
family: 'Lucida Sans', 'Lucida Sans Regular', 'Lucida Grande', 'Lucida Sans Un
icode', Geneva, Verdana, sans-serif ;
            }
        img{
            margin-left:50px;
            margin-top: 7%;
            padding: 0;
            height: 70%;
            width: 70%;
            transition: transform 0.5s;
            transform: scale(1.03);
            opacity: 0.8;

        }
        img:hover{
            cursor: pointer;
            height: 70%;
            width: 70%;
            transform: scale(1.15);
            opacity: 1;
        }
        </style>
    </head>
    <body>
        <a href="logoreal.jpg" target="_blank">
    <img src="logoreal.jpg" width="60%" height="80%"> </a>
        </body>
</html>
```

HTML CODE FOR FRAME_3.HTML

```html
<html>
    <head><title>
        right frame
    </title>
    <style>
        /* *{
            margin: 0;1
```

```
            padding: 0;
        } */
    body{
        font-weight: lighter;
            color:rgb(153, 72, 72);
            background-color: rgb(228, 228, 228);
            font-
family: 'Lucida Sans', 'Lucida Sans Regular', 'Lucida Grande', 'Lucida Sans Un
icode', Geneva, Verdana, sans-serif ;
    }
    h4{
            color: gray;
        }
        h4:hover{
            cursor: pointer;
        }
    </style>

    </head>

    <body>
        <p><h4>Assignment details:</h4>
        Assignment no.: 1<br>
        Subject: Application Programming<br>
        Submitted to: Mr. Md. Arquam<br>
        (Professor of Application Programming<br>
        IIIT SONEPAT)<br>
        Date of Submission: 3-Feb-2020</p>
    </body>
</html>
```


IMAGE OF LOGO

OUTPUT:

PRACTICAL-3

CREATING XHTML AND CSS AND UNDERSTANDING ITS USE IN CREATING WEB PAGES

HTML CODE PAGE.HTML:

```html
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta value="width" content="device-width">
        <link rel="stylesheet" type="text/css" href="style.css">
        <title>DM</title>
    </head>
    <body>
        <header>


                <div class="fix">
                <h4>DM</h4>
                <ul class="main-nav">
                    <li><a href="#home">Home</a></li>
                    <li><a href="#about">About</a></li>
                    <li><a href="#skills">Projects</a></li>
                    <li><a href="#project">Contact</a></li>
                </ul>

            </div>

        </header>
        <section id="home">
            <div class="home-box">
                <h2>Hi!</h2><br>
            <h2>I'm <span class="titl">Deepanshu Mittal</span> </h2><br> <br>
            <h2>I love Illustrations and Designs</h2><br><br><br>
            <a href="#skills" class="btn1">
                Wanna See My Work</a>
            </div>
        </section>



        <section id="about">


                <div class="titl2">ABOUT</div>
                    <div class="about-box">
                <img src="11.jpg" width="200px" height="150px">
                <p class="long-copy">
```

```html
                    Lorem ipsum dolor sit amet, consectetur adipisci elit, sed
 eiusmod tempor incidunt ut labore et dolore magna aliqua. Ut enim ad minim ve
niam, quis nostrum exercitationem ullam corporis suscipit laboriosam, nisi ut
aliquid ex ea commodi consequatur. Quis aute iure reprehenderit in voluptate v
elit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint obcaecat cupi
ditat non proident, sunt in culpa qui officia deserunt mollit anim id est labo
rum.
                </p>
                <!-- <p class="short-copy">
                I am pursuing with my B.Tech course in Information Technology
branch
            from Indian Institute of Information Technology, Sonepat, Haryana,
 India. I am in the
            2nd semester of my course.<br>
        I am learning full stack web development. I have joined the Verzeo Web
 Development course.
    <br>I am very well at front-end web designing.</p>  -->
                <!-- <div class="images">
    <img src="untitled.png" >
    <img src="vfe.png">
            </div> -->
                </div>

        </section>

        <section id="skills">
            <div class="titl2">PROJECTS</div>
            <div class="skill-box">

                <table>
                    <tr>
                        <td><img src="new3.jpg"></td><td><img src="new5.jpg"><
/td><td><img src="new6.jpg"></td>
                    </tr>
                    <tr>
                        <td><img src="new1.jpg"></td><td><img src="new2.jpg"><
/td><td><img src="new4.jpg"></td>
                    </tr>

                </table>
            </div>
        </section>

        <section id="project">
            <div class="titl2">CONTACT</div>
            <div class="project-box">
                <!-
- <h1>So, if you want me to help you in any of your projects</h1><br> <br> -->
```

```html
            <!-
- <a href="mailto:deepanshu.mittal2050@gmail.com">Contact me</a> -->
            <table>
                <tr>
                    <td><label>Name: </label></td><td><input type="text" place
holder="Please enter your name"></td>
                </tr>
                <tr>
                    <td><label>E-
mail: </label></td><td><input type="email" placeholder="Please enter your e-
mail"></td>
                </tr>
                <tr>
                    <td><label>Message: </label></td><td><textarea rows="7" co
ls="10">Please enter your message here</textarea></td>
                </tr>

        </table>

        <a href="mailto:deepanshu.mittal2050@gmail.com">Submit</a>

        </div>
    </section>


    <footer>
        <h3>&copy;Copyright of <span class="txt">DM</span> 2020</h3>
    </footer>
    </body>
    </html>
```

CSS FILE STYLE.CSS

```css
*{
    margin: 0;
    padding: 0;
    font-family: 'Lato', 'Arial', sans-serif;
    box-sizing: border-box;
}
header{
    position: fixed;
    background-color: rgb(0, 0, 0);
    color: white;
```

```css
    border-bottom: 1px solid black;

    width: 100%;

    height: 10%;

    top: 0;

    z-index: 100;

    opacity: 0.55;

    /* margin-bottom: 10%; */

    transition: opacity 0.4s;


}
header:hover{

    position: fixed;

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

    color: white;

    border-bottom: 1px solid black;

    width: 100%;

    height: 10%;

    top: 0;

    z-index: 100;

    opacity: 0.99;

}
.fix h4{

    float: left;

    margin-top: 10px;

    margin-left: 5px;

    font-weight: lighter;

    font-family: Bahnschrift SemiLight Condensed, Comic Sans MS, Ink Free;

    color:  rgba(189, 107, 25, 0.747);

    text-shadow: rgb(0, 0, 0) 2px 2px 2px;

}
.main-nav{
```

```css
    float: right;

    list-style: none;

    margin-top: 10px;

    margin-right: 30px;

}

.main-nav li{

    margin-left: 30px;

    display: inline-block;

}


.fix ul li:link,

.fix ul li:visited{

    margin-top: 0;


    /* border: 2px solid rgb(22, 22, 22); */

    padding: 5px 5px;

    color: rgb(255, 254, 254);

    border-bottom: 2px solid black;

    transition: border-bottom 0.5s;


}

.fix ul li:hover,

.fix ul li:active{

    margin-top: 0;

    border-bottom: 2px solid rgba(189, 107, 25, 0.747);

    cursor: pointer;

    padding: 0 5px;

    /* color: rgb(175, 60, 60); */

    color: rgb(255, 255, 255);

    /* text-shadow: rgb(72, 131, 72) 2px 2px 2px; */

}
```

```css
header a{
   text-decoration: none;
   color:rgb(255, 255, 255) ;
}
/*---------home-----------*/
#home{
   /* top: 30px; */
   /* background-image: url(OIP.jpg); */
   margin: 0;
   background-size: cover ;
background-position: center;
background-image: -webkit-linear-gradient(rgba(0, 0, 0, 0.7),rgba(0, 0, 0, 0.7)),url('6.jpg');
background-image: linear-gradient(rgba(0, 0, 0, 0.7),rgba(0, 0, 0, 0.7)),url('6.jpg');
height: 110vh;
/* background-image: url('6.jpg'); */
background-attachment: fixed;
}
.home-box{
   position: absolute;
   margin: 15% 30% ;


}
.home-box .titl{
   font-size: xx-large;
   font-family: Bahnschrift SemiLight Condensed, Comic Sans MS, Ink Free;
   color:  rgba(187, 101, 15, 0.747);


}
.home-box h2{
   font-weight: lighter;
```

```css
    line-height: 130%;

    color: white;

    /* font-size: 110%; */

    letter-spacing: 1px;

    word-spacing: 2.5px;

}
.home-box a:link,

.home-box a:visited{

    color: white;


    border: 2px solid  rgba(187, 101, 15, 0.747);

    padding: 5px 5px;

    /* background-color: rgb(136, 136, 136); */

    text-decoration: none;

    position: relative;

    margin-top: 100px;

    margin-left: 50px;

    transition: background-color 0.3s ;


}
.home-box a:hover,

.home-box a:active{

    color: white;

    border: 2px solid rgba(187, 101, 15, 0.747);

    padding: 5px 5px;

    background-color:  rgba(187, 101, 15, 0.747);

}


/*----------------about------------------*/
#about{

    /* top: 30px; */
```

```css
    /* background-image: url(OIP.jpg); */

    margin: 0;

    /* background-size: cover ;
background-position: center;
background-image: -webkit-linear-gradient(rgba(0, 0, 0, 0.7),rgba(0, 0, 0, 0.7)),url('6.jpg');
background-image: linear-gradient(rgba(0, 0, 0, 0.7),rgba(0, 0, 0, 0.7)),url('6.jpg'); */
height: 110vh;
/* background-color: rgb(236, 198, 141); */
/* background-image: url('6.jpg'); */
/* background-attachment: fixed; */
}
.titl2{
    margin: 5% auto 3% auto;


    height: 20%;
    font-size: 250%;
    font-family: Comic Sans MS;
    text-align: center;
    /* vertical-align: center; */


    padding: 50px auto 40px auto;
    color: white;
    background-color: rgb(0, 0, 0);
    border-top:4px solid  rgba(187, 101, 15, 0.747);
    border-bottom:4px solid rgba(187, 101, 15, 0.747);
    /* text-decoration: underline; */
}

.about-box img{
    margin-top: 45px;
    margin-left: 10%;
```

```css
    border-radius: 50%;

    text-align: center;

    float: left;

    border: 1px solid rgba(187, 101, 15, 0.747);

}

.about-box .long-copy{


    background-color: rgb(116, 0, 0);

    color: white;

    border: 1px solid black;

    padding: 20px 20px;

    border-radius: 5px;

    position: absolute;

    margin-top: 100px;

    margin-left: 23%;

    margin-right: 10%;

    font-size: 120%;

    line-height: 130%;

    /* font-size: 110%; */

    letter-spacing: 1px;

    word-spacing: 2.5px;

    opacity: 0.9;


}

/* .about-box .short-copy{

    position: absolute;

    margin-top: 230px;

    margin-right: 10%;

    font-size: 120%;

    line-height: 130%;

    /* font-size: 110%; */
```

```css
    /* letter-spacing: 1px;

    word-spacing: 2.5px; */
/* } */
/* .about-box .images{

    margin-top: 400px;

    margin-right: 10%;

    width: 80%;

}
.images img{

    height: 20%;

    width: 30%;

} */
/*-------------------skill--------------*/
#skills{

    margin: 0;

    /* background-size: cover ;

background-position: center;

background-image: -webkit-linear-gradient(rgba(0, 0, 0, 0.7),rgba(0, 0, 0, 0.7)),url('6.jpg');

background-image: linear-gradient(rgba(0, 0, 0, 0.7),rgba(0, 0, 0, 0.7)),url('6.jpg'); */

height: 110vh;

}
/* .skill-box{

    position: relative;

    margin-top: 450px ;

    /* background-color: gray; */

    /* margin-left: 10%;

    margin-right: 10%;

} */ */
/* .skill-box h3{

    font-size: 150%;
```

```css
        margin-bottom: 40px;

        text-decoration: underline;

        color: rgb(37, 10, 10);

    } */


    /* .skill-box{

        margin-top: 50px;

        margin-left: 0;

    } */

    .skill-box table{

        width: 100%;

        /* height: 100%; */

        padding-bottom: 50px;

        margin-left: 5%;

        margin-top: 100px;

        position: absolute;


    }

    .skill-box table tr{

        padding: 5px 5px;

    }

    /* .skill-box table meter{

        width: 500px;

        height: 52px;

    } */

    .skill-box table td{

        /* display: block; */

        width: 25%;

        /* float: left; */

        overflow: hidden;

        background-color: black;
```

```css
}
.skill-box img{

   width: 100%;

   margin:0;

   height: auto;

   opacity: 0.5;


   transform: scale(1.15);

   transition: opacity 0.5s, transform 0.5s;


}
.skill-box img:hover{


   opacity: 1;

   cursor: pointer;

   transform: scale(1.03);


}
/*--------------project------------------------*/


#project{

   margin: 10% 0 0 0;

  /* background-size: cover ;

background-position: center;

background-image: -webkit-linear-gradient(rgba(0, 0, 0, 0.7),rgba(0, 0, 0, 0.7)),url('6.jpg');

background-image: linear-gradient(rgba(0, 0, 0, 0.7),rgba(0, 0, 0, 0.7)),url('6.jpg'); */

height: 110vh;

}
.project-box{

   position: absolute;

   margin: 5% 20% ;
```

```css
        color: rgb(255, 255, 255);

        font-size: 110%;

        border: 2px solid black;

        border-radius: 5px;

        background-color: rgb(112, 61, 45);

        box-shadow: rgb(49, 1, 1) 2px 2px 2px 2px;

    }

    .project-box table{

        width: 600px;

        height: 300px;

        margin-left: 15%;

        margin-bottom: 50px;


    }

    .project-box input{

        width: 350px;

        max-width: 350px;

        height: 20px;

        max-height: 20px;

        border: 2px solid rgb(49, 1, 1);

        border-radius: 5px;


    }

    .project-box input:hover{

        width: 350px;

        max-width: 350px;

        height: 20px;

        max-height: 20px;

        cursor: pointer;

        border: 2px solid rgb(49, 1, 1);

        border-radius: 5px;
```

```css
}

.project-box label{
    width: 200px;
}
.project-box textarea{
    width: 350px;
    border: 2px solid rgb(49, 1, 1);
    border-radius: 5px;
}
.project-box textarea:hover{
    width: 350px;
    cursor: pointer;
    border: 2px solid rgb(49, 1, 1);
    border-radius: 5px;
}
/* .project-box a:link,
.project-box a:visited{
    text-decoration: none;
    /* background-color:black ; */

    /* border: 2px solid black; */
    /* transition: color 0.2s, background-color 0.2s, border-radius 0.2s;
    background-color: white;
    color: rgb(13, 5, 32);
    border-radius: 5px;
    padding: 5px 5px;
    /* position: relative; */
    /* margin-left: 20px; */
/* } */
/* .project-box a:hover{
```

```css
    color: white; */
    /* background-color: rgb(13, 5, 32);


    /* border: 2px solid white; */
    /* border-radius: 8px;
    padding: 5px 5px; */
/* } */
.project-box a:link,
.project-box a:visited{
    color: white;
    /* margin-top: 500px; */
    border: 2px solid  rgb(49, 1, 1);
    padding: 5px 205px;
    /* background-color: rgb(136, 136, 136); */
    text-decoration: none;
    position: absolute;
    margin-top: 20px;
    color: black;
    margin-left: 66px;
    transition: box-shadow 0.3s, background-color 0.5s;


}
.project-box a:hover,
.project-box a:active{
    color: white;
    margin-top: 300px;
    border: 2px solid  rgb(49, 1, 1);
    padding: 5px 205px;
    /* background-color: rgb(136, 136, 136); */
    text-decoration: none;
    position: absolute;
```
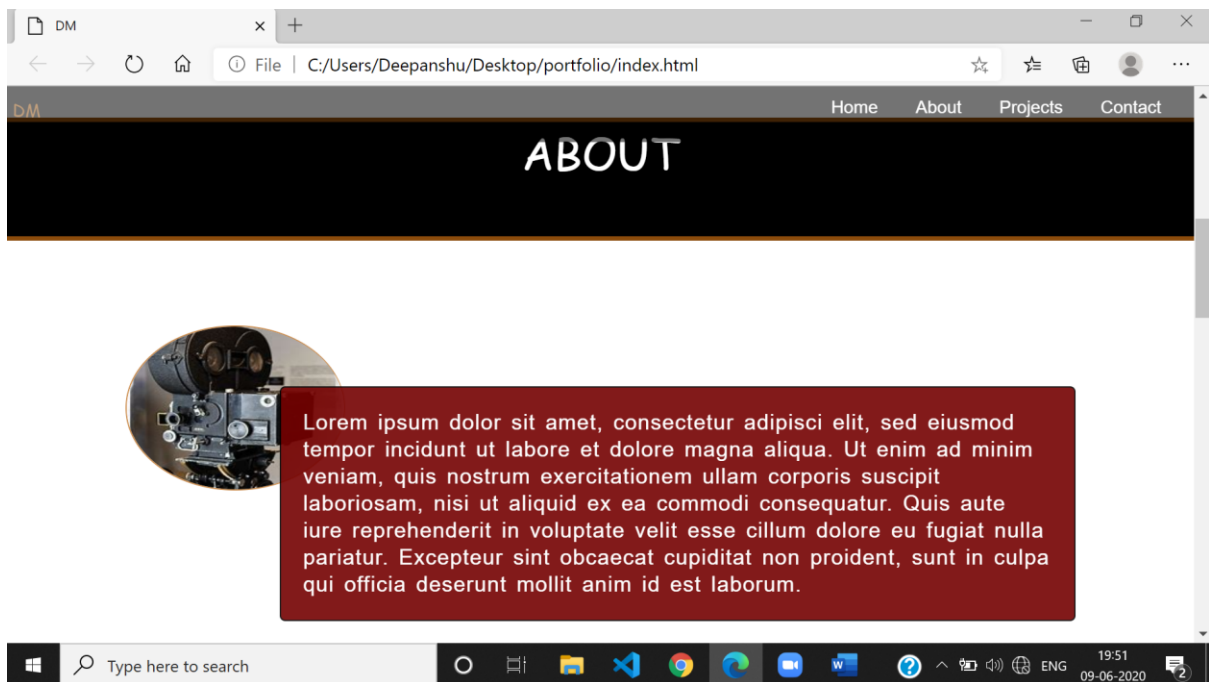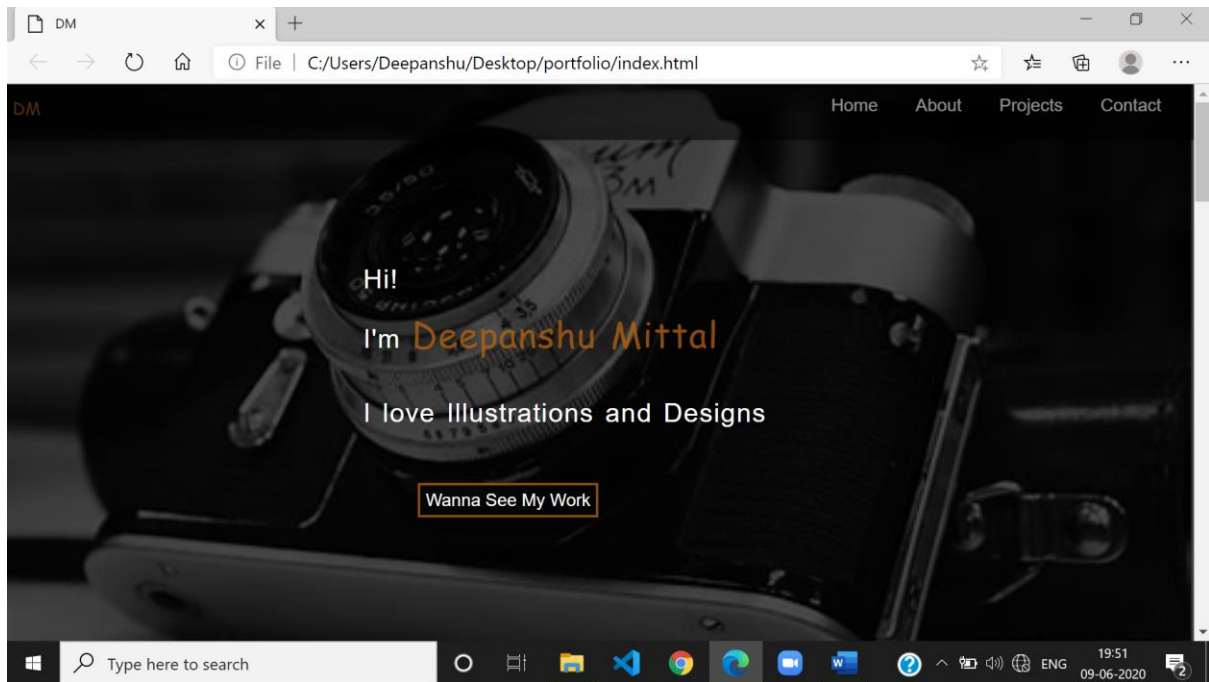
```css
        margin-top: 20px;

        box-shadow: rgb(49, 1, 1) 2px 1px 1px;


        margin-left: 66px;

        /* color: white; */

        /* border: 2px solid rgba(187, 101, 15, 0.747); */

        /* padding: 5px 5px; */

        background-color:  rgb(49, 1, 1);

}
/*--------footer-------*/
footer{

        height: 20vh;

        background-color: rgb(2, 2, 2);

        color: rgb(85, 85, 85);

        padding-top: 3vh;

        margin: 10% 0 0 0;

        text-align: center;

        font-weight: 0.1em;

}
footer h3{

        margin-top: 6vh;

}
footer .txt{

        color: rgba(187, 101, 15, 0.747);

        font-family: Bahnschrift SemiLight Condensed, Comic Sans MS, Ink Free;

}
```
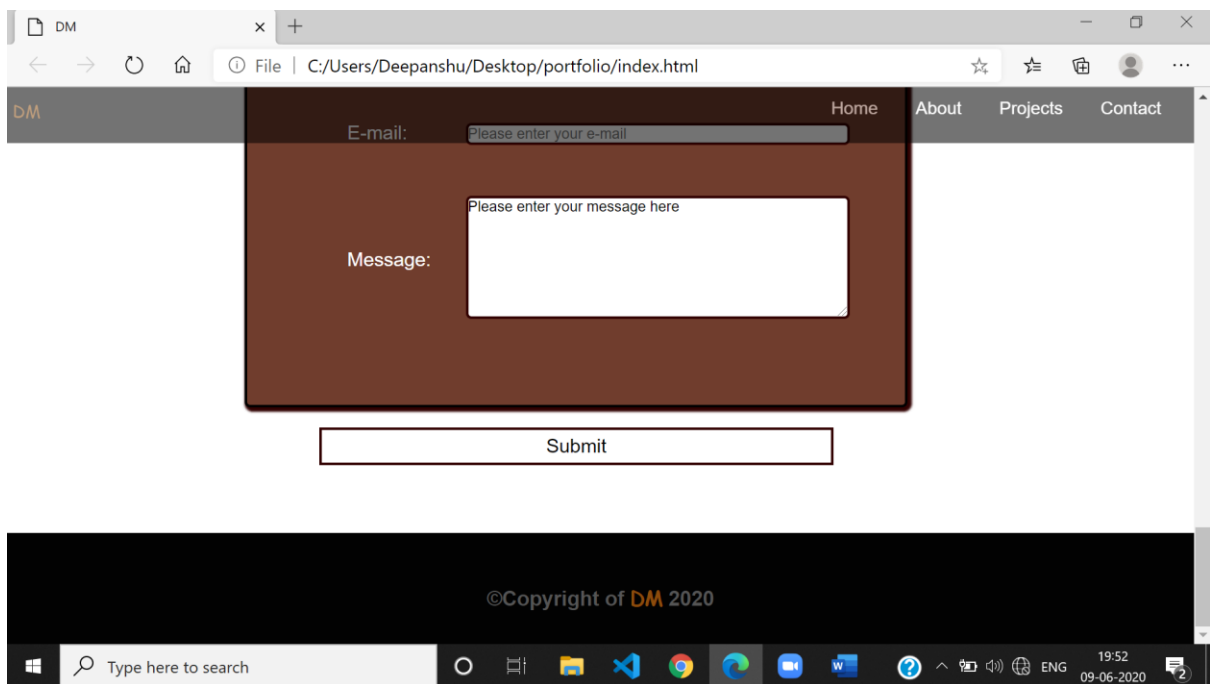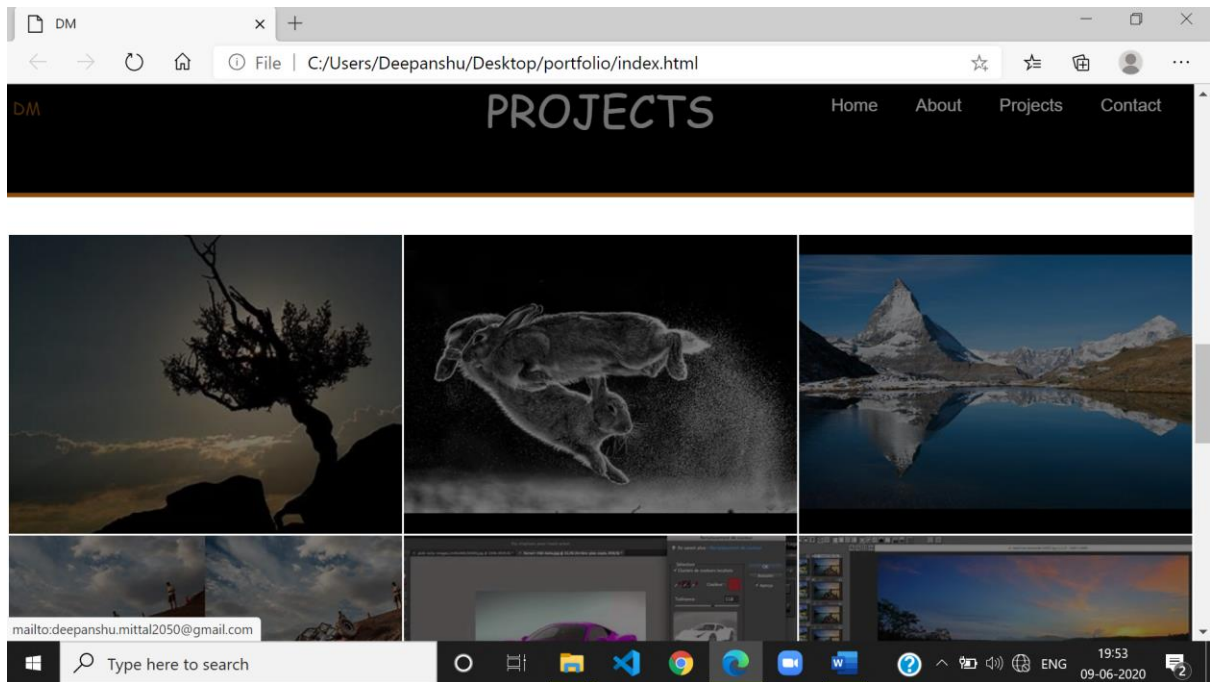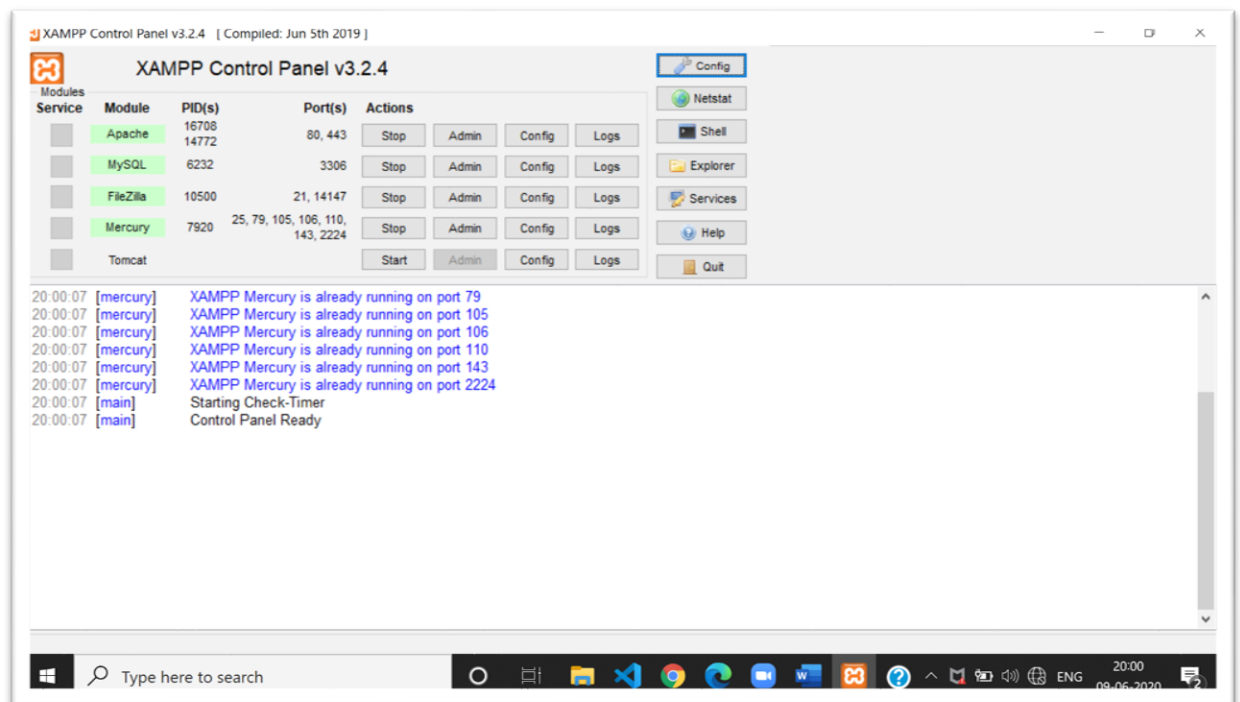
OUTPUT:

PRACTICAL-4

SETTING UP AND CONFIGURATION OF XAMPP SERVER
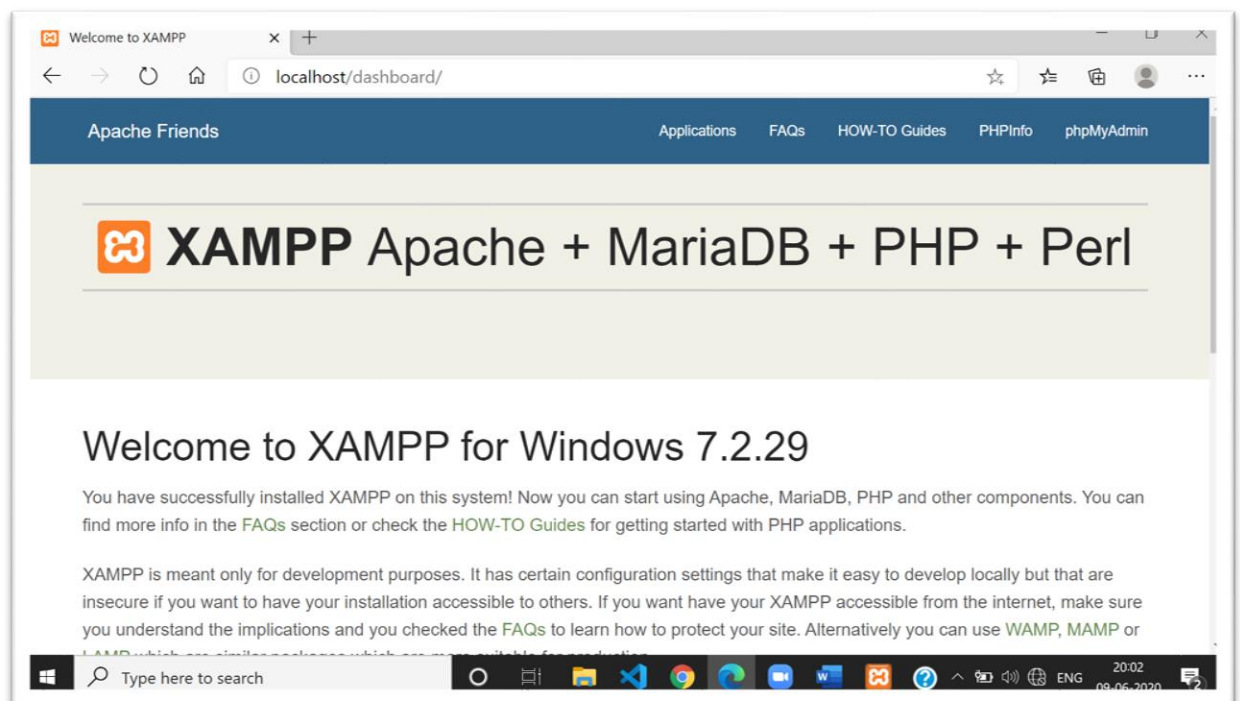
PROCEDURE:

1. Download XAMPP Server.
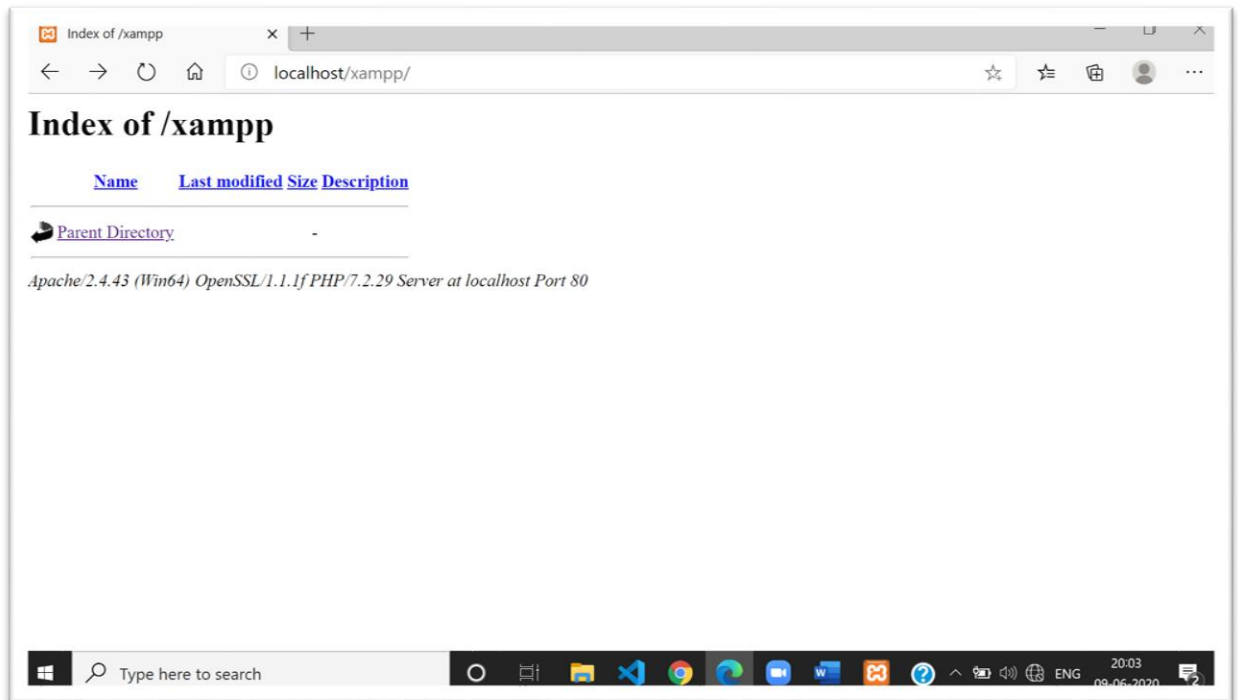2. Open XAMPP Control Panel.

3. Switch on Start to start the servers.

4. XAMPP localhost server is being set up now. Open localhost in any web browser.

5. Open XAMPP directory in the localhost and run your code.

Index of /xampp

Name	Last modified	Size	Description
Parent Directory		-	

Apache/2.4.43 (Win64) OpenSSL/1.1.1f PHP/7.2.29 Server at localhost Port 80

PRACTICAL-5

CREATING WEBSITES USING PHP

PHP CODE FOR VALID.PHP

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

<?php
// define variables and set to empty values
$name = $email = $gender = $comment = $website = "";

if ($_SERVER["REQUEST_METHOD"] == "POST") {
  $name = test_input($_POST["name"]);
  $email = test_input($_POST["email"]);
  $website = test_input($_POST["website"]);
  $comment = test_input($_POST["comment"]);
  $gender = test_input($_POST["gender"]);
}

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

<h2>PHP Form Validation Example</h2>
<form method="post" action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]);
?>">
  Name: <input type="text" name="name">
  <br><br>
  E-mail: <input type="text" name="email">
  <br><br>
  Website: <input type="text" name="website">
  <br><br>
  Comment: <textarea name="comment" rows="5" cols="40"></textarea>
  <br><br>
  Gender:
  <input type="radio" name="gender" value="female">Female
  <input type="radio" name="gender" value="male">Male
  <input type="radio" name="gender" value="other">Other
```
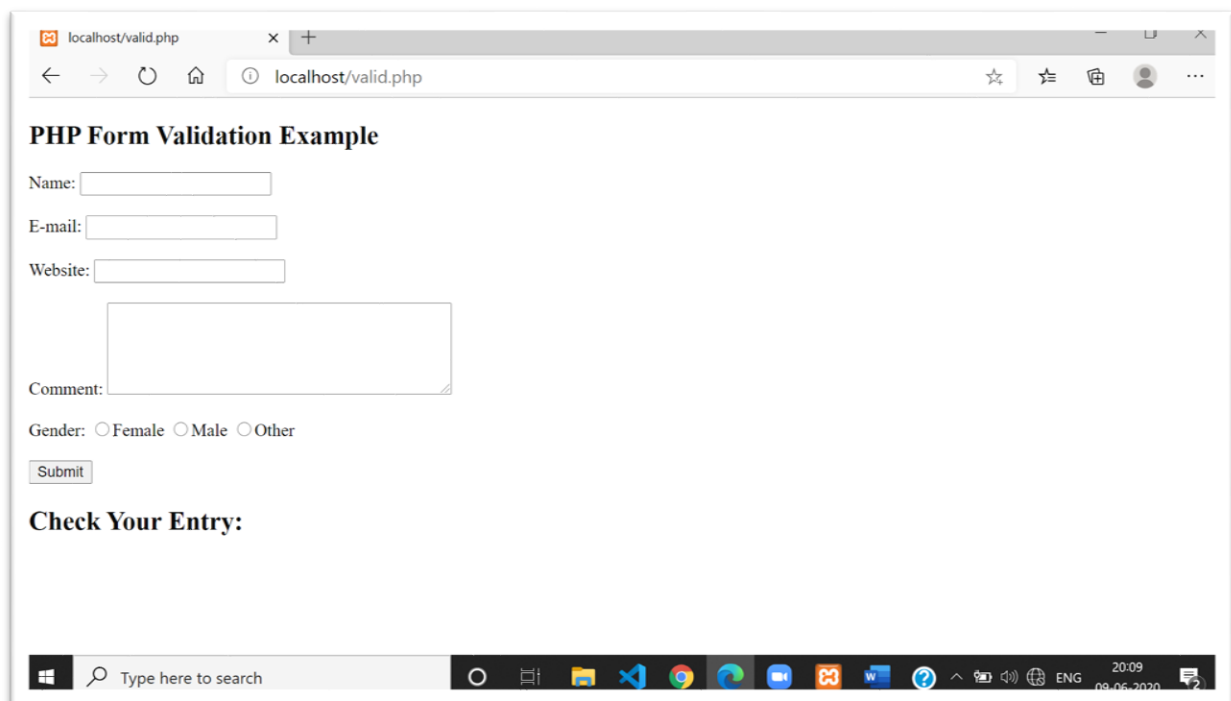
```
 <br><br>
 <input type="submit" name="submit" value="Submit">
</form>

<?php
echo "<h2>Check Your Entry:</h2>";
echo $name;
echo "<br>";
echo $email;
echo "<br>";
echo $website;
echo "<br>";
echo $comment;
echo "<br>";
echo $gender;
?>

</body>
</html>
```
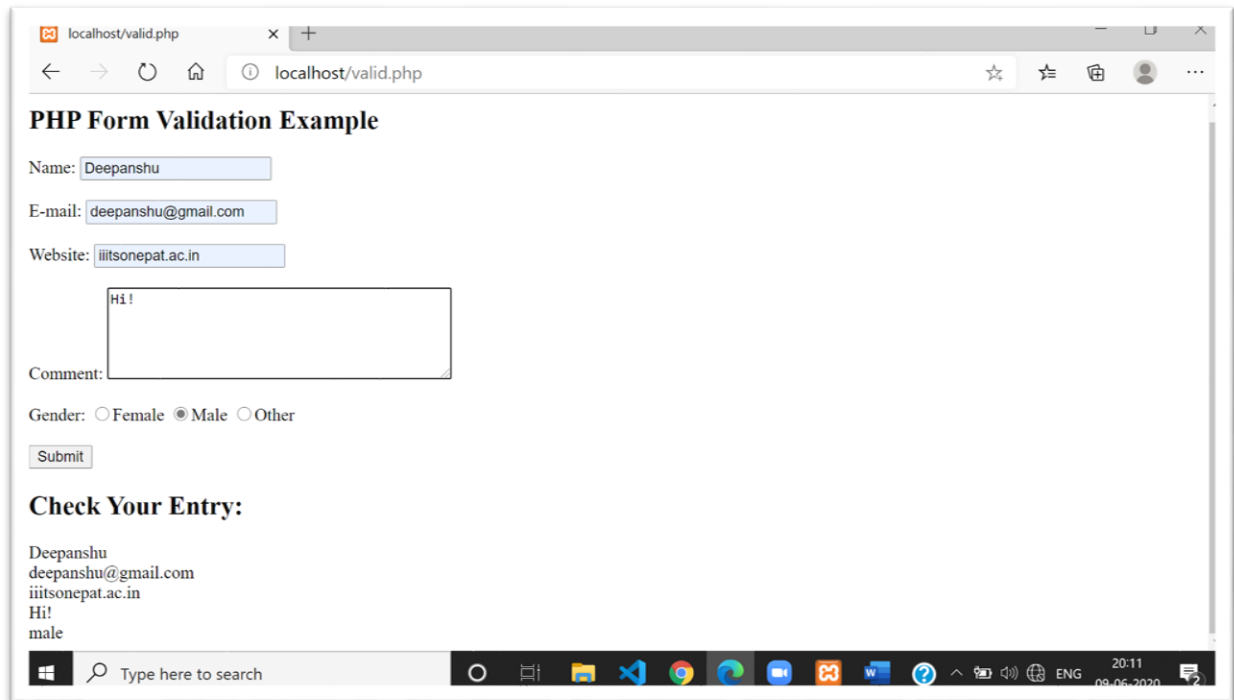
OUTPUT:

After filling form:

PHP Form Validation Example

Name: Deepanshu

E-mail: deepanshu@gmail.com

Website: iiitsonepat.ac.in

Comment: Hi!

Gender: ○Female ⦿Male ○Other

Submit

Check Your Entry:

Deepanshu
deepanshu@gmail.com
iiitsonepat.ac.in
Hi!
male

PRACTICAL-6

UNDERSTANDING JAVASCRIPT

THIS IS AN HTML PROGRAM USING JAVASCRIPT TO FIND THE OUTPUTS ON ROLLING A DICE FOR 20 TIMES (USING RANDOM FUNCTION).

CODE:

```html
<html>
    <head><title>
        random function
    </title>
<style type="text/css">

</style>
<script type="text/javascript">
var value;
document.write("<h2>On rolling a dice for 20 times:</h2><ol>");
for(value=0;value<20;value++)
{
    var result=Math.floor(1+Math.random()*6);
    document.write("<li> <b>" + result + "</b></li>");

}

</script>
</head>
<body>

</body>
</html>
```
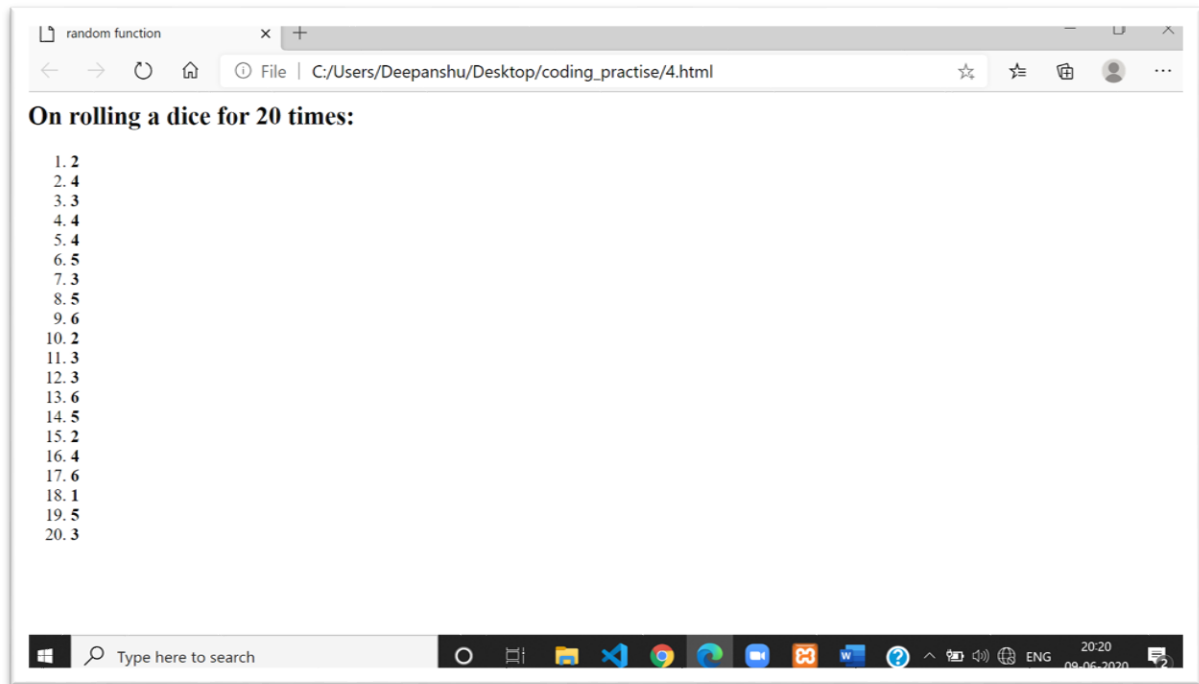
OUTPUT:

On rolling a dice for 20 times:

1. 2
2. 4
3. 3
4. 4
5. 4
6. 5
7. 3
8. 5
9. 6
10. 2
11. 3
12. 3
13. 6
14. 5
15. 2
16. 4
17. 6
18. 1
19. 5
20. 3

PRACTICAL-7

CREATING A WEBPAGE WITH BACKEND IN PHP AND FRONTEND IN JAVASCRIPT.

<u>HTML CODE OF PAGE.PHP:</u>

```html
<!DOCTYPE html>
<html>
    <head>
        <title>Registeration form</title>
        <style type="text/css">
        *{
            box-sizing: border-box;
            text-align: center;
            /* background-image: url('1.jpg');
            background-attachment: fixed;
            background-position: center;
            background-size: cover; */
            font-family:  Gabriola;
        }
        body{

            background-image: url('1.jpg');
            background-color: rgb(85, 68, 68);
            background-attachment: fixed;
            background-position: center;
            background-size: cover;
            /* background-repeat:round; */


        }
        h1{
            color: white;
            background-color: rgb(90, 29, 29);
            z-index: 2;
            font-family: Ink Free,Comic Sans MS, Gabriola;
        }
        #form_box{
            margin-left: 10%;
            margin-right: 10%;
            padding: 5% 10%;

            text-align: left;
            border: 2px solid rgb(63, 7, 7);
            border-radius: 5px;
            /* box-shadow: 1px 1px 1px 1px blue;s */
            background-color: white;
            z-index: 999;
```

```css
        font-family:  Gabriola;
    }
    .mand{
        color: rgb(131, 0, 0);
    }
    h6{
        color: white;
        background-color: rgb(90, 29, 29);
        z-index: 2;
        font-family: Ink Free,Comic Sans MS, Gabriola;
    }
    input:link,
    input:visited{
        border: 1px solid white;
    }
    input:hover,
    input:active{
        border: 1px solid rgb(131, 0, 0);
    }
    #btn{
        border: 2px solid rgb(131, 0, 0);
        z-index: 9999;
        padding: 5px 5px;
        border-radius: 5px;
        transition: background-color 0.2s, color 0.2s;
    }
    #btn:hover,
    #btn:active{
        background-color: rgb(90, 29, 29);
        color: white;
        border: 2px solid rgb(131, 0, 0);
        border-radius: 5px;
        padding: 5px 5px;
        cursor: pointer;

    }

    textarea:link,
    textarea:visited{
        border: 1px solid white;
    }
    textarea:hover,
    textarea:active{
        border: 1px solid rgb(131, 0, 0);
    }
</style>
```

```
<script type="text/javascript">

var formExample = document.getElementById("form_box");
 formExample.submit();

document.getElementById("form_box").onsubmit = function(e){
    var fieldValue=document.getElementById("name").value;
        if(fieldValue==null || fieldValue== "")
        {
          e.preventDefault();
           alert("you must enter your name");
        }
    var fieldValue=document.getElementById("email").value;
        if(fieldValue==null || fieldValue== "")
        {
          e.preventDefault();
           alert("you must enter your email address");
        }
    var fieldValue=document.getElementById("institution").value;
        if(fieldValue==null || fieldValue== "")
        {
          e.preventDefault();
           alert("you must enter your institution name");
        }
    var fieldValue=document.getElementById("stream").value;
        if(fieldValue==null || fieldValue== "")
        {
          e.preventDefault();
           alert("you must enter your stream");
        }
    var n=document.getElementById("sem").value;
        if(!isNaN(parseFloat(n)) && isFinite(n))
            {e.preventDefault();
            alert("you must enter your semester"); }
    var fieldValue=document.getElementById("skill").value;
        if(fieldValue==null || fieldValue== "")
        {
          e.preventDefault();
           alert("you must enter your skills");
        }


    }

    function onconf()
    {document.getElementById("conf").innerHTML="Please confirm your de
tails before submitting...";
```

```php
            document.getElementById("conf").style.color="rgb(90, 29, 29)";
        }
        function offconf()
        {
            document.getElementById("conf").innerHTML=" ";


        }
        function marq()
        {
            return ((new Date().getDate()).toString());
        }


    </script>
</head>

<body>
    <h1>PRO_CODERS CLUB</h1>
    <marquee><p style="z-
index: 9999999999; color: rgb(219, 219, 219);">Hurry up! Only <script>document
.write(25-marq());
    </script> days are left in last date of submission (May 25, 2020)</p>
    </marquee>
    <!-- <div class="form_box"> -->

    <?php
// define variables and set to empty values
$name = $email = $gender = $comment = $website = "";

if ($_SERVER["REQUEST_METHOD"] == "POST") {
  $name = test_input($_POST["name"]);
  $email = test_input($_POST["email"]);
  $institution = test_input($_POST["institution"]);
  $course = test_input($_POST["course"]);
  $stream = test_input($_POST["stream"]);
}

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

    <form  method="post" action="#after" id="form_box">

        <label for="name"><span class="mand">*</span>Name: </label>
```

```html
            <input type="text" id="name"  name="name" required><br><br>

            <label for="email"><span class="mand">*</span>Email id: </label>
            <input type="email" id="email" name="email" placeholder="abc@xyz.c
om" required><br><br>

            <label for="institution"><span class="mand">*</span>Name of your I
nstitution: </label>
            <input type="text" id="institution" name="institution" required><b
r><br>

            <label for="dob"><span class="mand">*</span>Date of birth: </label
>
            <input type="date"  id="dob" name="dob" required><br><br>

            <label for="course"><span class="mand">*</span>Which course are yo
u pursuing? </label>
            <select id="course" name="course" required>
                <option value="non" default>-select-</option>
                <option value="B.Tech">B.Tech</option>
                <option value="M.Tech">M.Tech</option>
                <option value="PhD">PhD</option>
            </select>
                <br><br>
            <label for="stream"><span class="mand">*</span>Which stream are yo
u pursuing? </label>
            <input type="text" id="stream" name="stream" required>
                  
            <label for="sem"><span class="mand">*</span>Semester: </label>
            <input type="number" id="sem" max="8" min="1" value="3" required><
br><br>

            <label for="skill"><span class="mand">*</span>Your Skills: </label
>
            <textarea id="skill" rows="7" cols="70" placeholder="Tell us your
Skills in programming!">
            </textarea><br><br>

            <label for="Acheivments">Your Acheivments: </label>
            <textarea rows="7" cols="70" placeholder="Tell us your Acheivments
 in programming!">
            </textarea><br><br>

            <input type="checkbox" id="check">
            <label for="check">Check if you want us to keep you updated.</labe
l>

            <br><br>
```

```php
            <p style="text-
align: left; color: rgb(70, 36, 4);">Fields marked with * sign are mandatory.<
/p>
            <br>

            <input type="submit" id="btn" value="Register" onmouseover="onconf
();" onmouseout="offconf();"><br>
            <p id="conf"> </p>
        </form>
        <div id="after">
        <?php

// name1 = ;
// email1= $_POST['email'];

echo "<h1>Welcome! ".$name."</h1>";
echo "<h3>So, you are pursuing ".$course." in ".$stream." at ".$institution."<
/h3>";
echo "<h3>Best of luck for your journey with us...</h3>";
echo "<h3>Your e-mail: ".$email."</h3>";
?>
</div>
        <h6>FROM:   DEEPANSHU MITTAL      11912056&nb
sp;      I.T.</h6>


    </body>
</html>
```

OUTPUT:

PRO_CODERS CLUB

*Name:

*Email id: abc@xyz.com

*Name of your Institution:

*Date of birth: dd-mm-yyyy

*Which course are you pursuing? -select-

*Which stream are you pursuing?   *Semester: 3

---

*Your Skills:

Your Acheivments:

☐ Check if you want us to keep you updated.

Register

Fields marked with * sign are mandatory.

PRO_CODERS CLUB

Hurry up! Only 16 days are left in last date of submission (May 25, 2020)

*Name: Deepanshu

*Email id: deepanshu@gmail.com

*Name of your Institution: IIIT Sonepat

*Date of birth: 18-06-2020

*Which course are you pursuing? B.Tech

*Which stream are you pursuing? I.T.   *Semester: 2
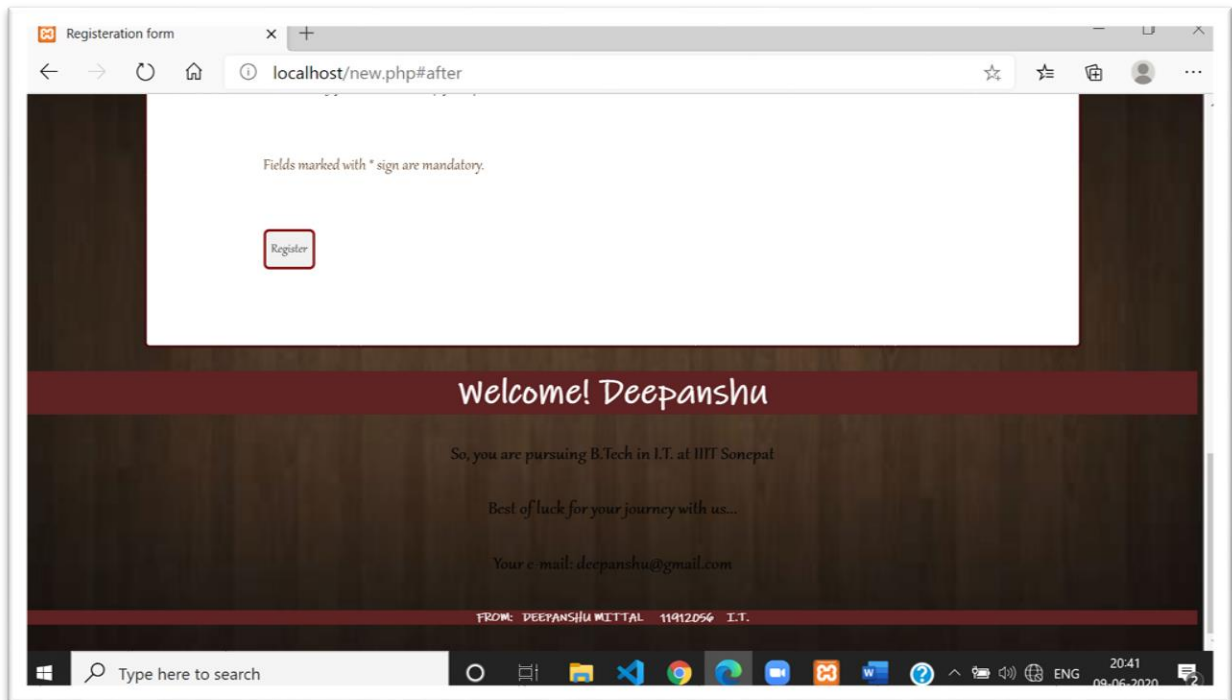

Your Acheivments:

☑ Check if you want us to keep you updated.

Fields marked with * sign are mandatory.

Register

Please confirm your details before submitting...

localhost/new.php#after

Fields marked with * sign are mandatory.

Register

Welcome! Deepanshu

So, you are pursuing B.Tech in I.T. at IIIT Sonepat

Best of luck for your journey with us....

Your e-mail: deepanshu@gmail.com

FROM: DEEPANSHU MITTAL   11912056   I.T.

PRACTICAL-8

WRITING AND UNDERSTANDING PROGRAM IN PYTHON

THIS IS A PROGRAM TO SORT A GIVEN LIST USING COUNTING SORT TECHNIQUE.

PYTHON CODE

```python
print("Enter the list of integers to be sorted")
a=list(map(int, input().split(" ")))
b=[]
c=[]
for i in range(max(a)+1):
    c.append(0)
for i in range(len(a)):
    c[a[i]]+=1
for i in range(1,len(c)):
    c[i]+=c[i-1]
for i in range(len(a)):
    b.append(0)
for i in range(len(a)):
    b[c[a[i]]-1]=a[i]
    c[a[i]]-=1
print("The sorted list is:")
print(b)
```

OUTPUT:

```
Enter the list of integers to be sorted
12 23 97 23 97 2 83 12 87 3 56
The sorted list is:
[2, 3, 12, 12, 23, 23, 56, 83, 87, 97, 97]
```

PRACTICAL-9

USE PYTHON LIBRARIES LIKE MATH'S STATISTICS TO CREATE PROGRAMS FOR SCIENTIFIC CALCULATIONS.

PYTHON CODE:

```python
import math
wish=int(input("Enter 1-logarithmic function \n 2-absolute function \n 3-
power function \n 4-trignometric function \n 5-
inverse trignometric function"))
if(wish==1):
    b=float(input("Enter the base b"))
    a=float(input("Enter the number to be taken log to the base {0}".format(b)
))
    c=math.log(a,b)
    print(f"{a} log to the base {b} is {c}")
elif(wish==2):
    a=float(input("Enter the number"))
    c=math.fabs(a)
    print(f"absolute {a} is {c}")
elif(wish==3):
    x=float(input("Enter x in x^y"))
    y=float(input("Enter the power of {0}".format(x)))
    c=math.pow(x,y)
    print(f"{x} to the power {y} is {c}")
elif(wish==4):
    a=float(input("Enter the angle in degree"))
    b=math.sin(a*math.pi/180)
    c=math.cos(a*math.pi/180)
    d=math.tan(a*math.pi/180)
    print(f"sin({a}) = {b}")
    print(f"cos({a}) = {c}")
    print(f"tan({a}) = {d}")
elif(wish==5):
    a=float(input("Enter the number"))
    b=math.sinh(a)
    c=math.cosh(a)
    d=math.tanh(a)
    print(f"sinh({a}) = {b*180/math.pi} degree")
    print(f"cosh({a}) = {c*180/math.pi} degree")
    print(f"tanh({a}) = {d*180/math.pi} degree")
```

OUTPUT:

Logarithmic function

```
Enter 1-logarithmic function
 2-absolute function
 3-power function
 4-trignometric function
 5-inverse trignometric function1
Enter the base b2
Enter the number to be taken log to the base 2.032
32.0 log to the base 2.0 is 5.0                    & c:/Users/Deepanshu/Desktop/python-beginning/venv/Scripts/python
```

Absolute function

```
Enter 1-logarithmic function
 2-absolute function
 3-power function
 5-inverse trignometric function2
Enter the number-23.45
absolute -23.45 is 23.45
```

Power function

```
Enter 1-logarithmic function
 2-absolute function
 3-power function
 4-trignometric function
 5-inverse trignometric function3
Enter x in x^y2
Enter the power of 2.05
2.0 to the power 5.0 is 32.0
```

Trigonometric function

```
Enter 1-logarithmic function
 2-absolute function
 3-power function
 4-trignometric function
 5-inverse trignometric function4
Enter the angle in degree45
sin(45.0) = 0.7071067811865475
cos(45.0) = 0.7071067811865476
tan(45.0) = 0.9999999999999999
```

Inverse trigonometric function

```
Enter 1-logarithmic function
 2-absolute function
 3-power function
 4-trignometric function
 5-inverse trignometric function5
Enter the number1
sinh(1.0) = 67.3340684745264 degree
cosh(1.0) = 88.4120078232813 degree
tanh(1.0) = 43.636130838093536 degree
```

THANK YOU