INDIAN INSTITUTE OF INFORMATION TECHNOLOGY SONEPAT

भारतीय सूचना प्रौद्योगिकी संस्थान, सोनीपत

(An Institute of National Importance under an Act of Parliament)

APPLICATION PROGRAMMING PRACTICAL FILE

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BRANCH-CSE

SUBMITTED TO-

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1191045

Experiment-1

AIM- Creating an HTML web page form.

Procedure: In this problem we are going to use HTML 5 and its tags like form , div and many more.I can show you through code .

CODE : (Html code)

```
<!DOCTYPE html>
<html>
 <head>
     <title>
        Form
      </title>
     <link rel="stylesheet" href="form.css">
   </head>
   <body >
     <h1 style="text-align: center;color: white;"><i><b><center>            Fill
This Registration Form </center></b></i></h1>
     <div id="form">
     <form action="connect.php" method="post">
      <p class="p"> Name: <br> <input name="name" id="name"
class="input" type="text" placeholder="Enter Your Name" required></p>
                <p class="p"> Branch: <br> <input name="branch" id="branch"
class="input" type="text" placeholder="Enter Your Branch" required></p>


      <p class="p"> Roll number: <br> <input name="roll" id="roll"
class="input" type="text" placeholder="Roll Number" required></p>
 <p class="p"> Email:<br>  <input name="email" id="email" class="input"
type="email" placeholder="example@gmail.com" required></p>
```

```
<p class="p"> Mobile No.:<br>  <input name="mobileno" id="mobileno"
class="input" type="tel" placeholder="1234567890" required></p>

<p class="p">Institute Name:<br> <input name="college" id="college"
class="input" type="text" placeholder="Name of Institution"
required></p><br>

      <P class="p"> Nationality:<br>

         <input name="nation" id="nation" class="input" type="text"
placeholder="Your Nationality" required>

      </P>

     <P class="p"> AREA of intrest:<br>

         <input name="intrest" id="intrest" class="input" type="text"
placeholder="enter the area of intrest" required>

      </P>

      <p><input class="button" type="submit" > <input class="button"
type="reset"></p>

     </form> </div>

  </body> </html>
```

CSS CODE(form.css):

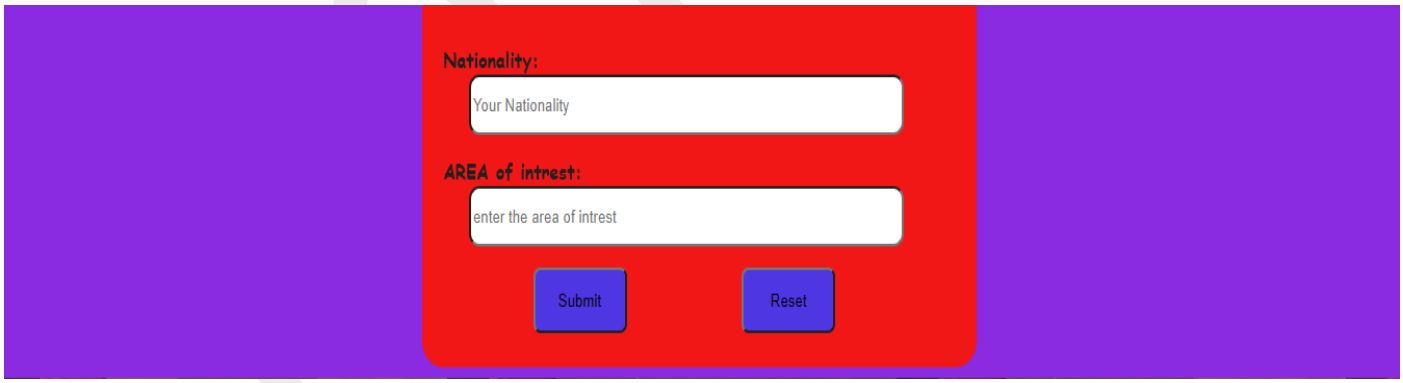
```
#form{

           margin-left: 30%;

            margin-right: 30%;

            margin-top: 25px;

            background-color: #F11717;

            padding-right: 50px;

            border-radius: 20px;

            padding: 10px 0px 10px 0px;

        }

        .p{

            text-decoration-style: wavy;

            font-family: cursive;
```

```
        color:#21201E;
        margin-left: 20px;
        font-weight: bold;
    }
    .input{
        margin-left: 25px;
        border-radius: 10px;
        width: 80%;
        height: 40px;
        background-color: white;
    }
    .button{
        border-radius: 7px;
        background-color:#4E36E3;
        margin-left: 20%;
        width:90px;
        height: 50px;
    }
    .button:hover{
        color:aliceblue;
        background-color: darkgreen;
    }
    body{
        background-color: blueviolet;
    }
    ul {
        list-style-type: none;
        margin: 0;
```

```
padding: 0;
overflow: hidden;
background-color: #333;
}
li {
float: left;
}
li a {
display: block;
color: white;
text-align: center;
padding: 14px 16px;
text-decoration: none;
}
li a:hover:not(.active) {
background-color: #111;
}
.active {
background-color: #4CAF50;
}
```

OUTPUT:

Fill This Registration Form
Name:
Enter Your Name
Branch:
Enter Your Branch
Roll number:
Roll Number
Email:
example@gmail.com
Mobile No.:
1234567890
Institute Name:
Name of Institution


Nationality:
Your Nationality
AREA of intrest:
enter the area of intrest
Submit
Reset

Experiment-2

AIM- Creating an Homepage using HTML.

Procedure: In this problem we are going to use HTML 5 ,CSS and its tags like div,frame,center,ul and many more.I can show you through code .

CODE :

Index.html

```
<!DOCTYPE html>
<html>
<head>
<title>web page</title>
</head>
<frameset rows="20%,10%,70%">
<frame name="top" src="heading.html" ></frame>
<frame name="middle" src="bar.html" ></frame>
<frame name="down" src="down.html"></frame>
</frameset>
</html>
```

heading.html

```
<!DOCTYPE html>
<html>
<head>
<title>heading</title>
</head>
<body style="background-Color:blue">
<center>
<img src="logonew.png" style="width:1100px;height:105px;">
```

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

bar.html

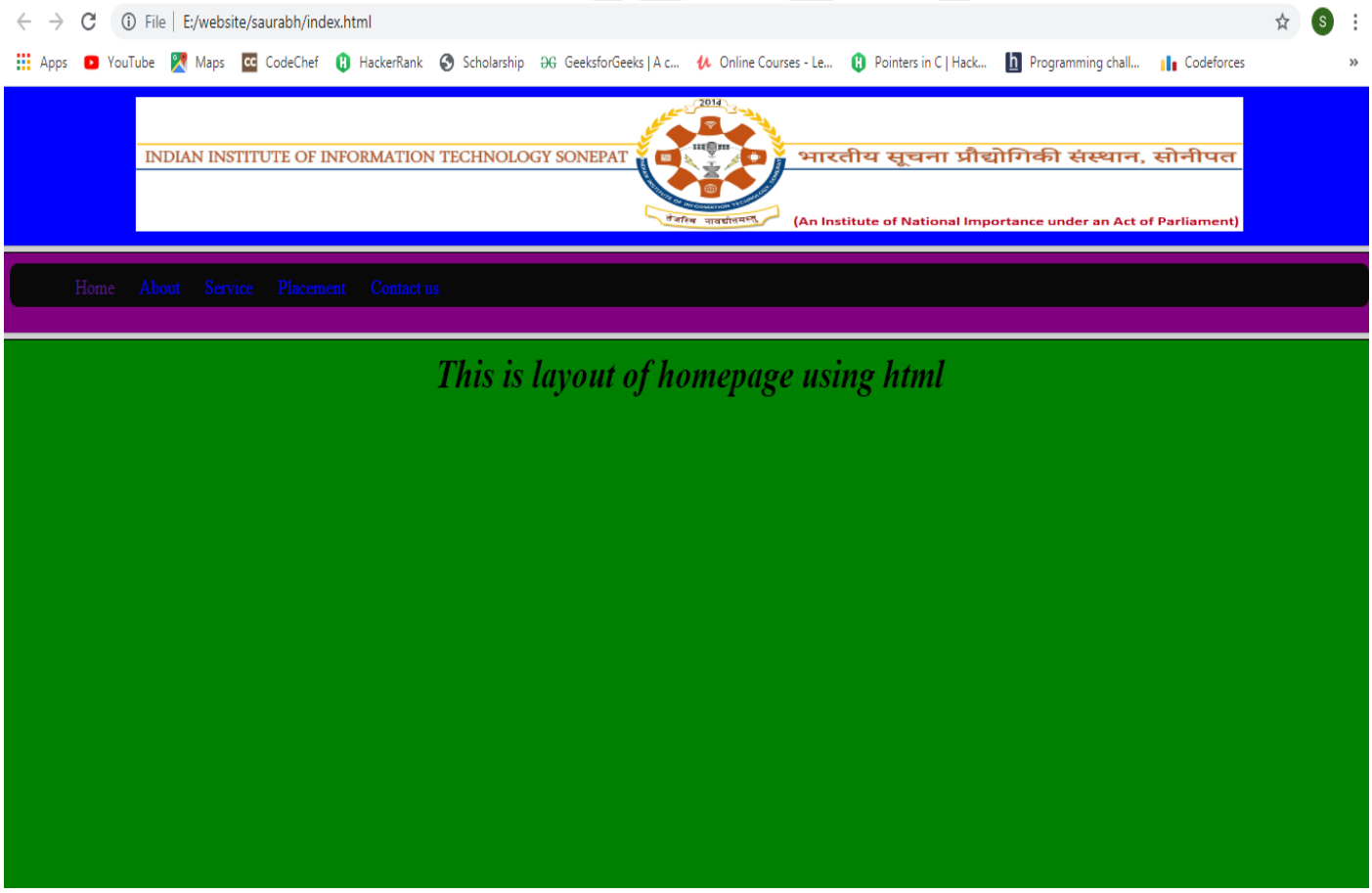
```
<!DOCTYPE html>
<html>
<head>
<title>ap</title>
<style>
p {
 font-size:40px ;
 color:red;
}
    .bar
 {
        background-color: rgb(10, 9, 9);
        border-radius: 8px;
 }
     .bar ul
   {
       overflow: auto;
   }

   .bar  li
   {
         float: left;
         list-style: none;
         padding-top: 10px;
```

```
        padding-bottom: 6px;
        padding-left: 25px;
    }
  .bar li a
    {
      margin: 10px,100px;
      text-decoration: none;
    }

</style>
</head>
<body style="background-Color:purple">
    <div class="bar">
      <nav>
        <ul>
        <li><a href="http://iiitsonepat.ac.in/home/about">Home</a></li>
        <li><a href="A">About</a></li>
        <li><a href="A">Service</a></li>
        <li><a href="h">Placement</a></li>
        <li><a href="A">Contact us</a></li>
        </ul>
      </nav>
  </div>

 </body>
</html>
```

down.html

```
<!DOCTYPE html>
<html>
<head>
<title>down</title>
</head>
<body style="background-Color:green">
<h1><b><i><center>This is layout of homepage using
html</center></i></b></h1>
 </body>
</html>
```

OUTPUT:



Experiment-3

AIM- Creating XHTML and CSS and understanding its use in creating web pages.

Procedure: In this problem we are going to use XHTML AND internal CSS code using <style> tag in the <head> Tag of HTML file. Use many more css property to set font size, color, background image. I can show you through code.

CODE :

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN"
"http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Web page</title>
<style>
body{
background-color:lightpink;
bottom: 0px;
}
h1 {
background-color: lightblue;
font-weight: 100;
color: red;
font-size: 60px;
text-align: center;
}
.main{
float: left;
```

```
width: 33%;
background-color: gray;
}
.main:hover{
position: relative;
background-color: pink;
width: 300px;
height: 700px;
border: 2px solid red;
}
span {
font-weight: bold;
color: black;
font-size:36px;
}
</style>
</head>
<body>
<h1>History of science</h1>
<div class="main">
<span>Classical  History</span><br/>
In classical history, there is no real ancient analog of a modern scientist. Instead, well-educated, usually upper-class, and almost universally male individuals performed various investigations intonature whenever they could afford the time.Before the invention or discovery of the concept of "nature" (ancient Greek phusis) by the Pre-Socratic philosophers, the same words tend tobe used to describe the natural "way" in which a plant grows and the "way" in which, for example, one tribe worships a particular god.For this reason, it is claimed these men were the first philosophers in the strict sense, and also the first people to clearly distinguish "nature" and "convention." Natural philosophy, the precursor of natural science, was thereby distinguished as the knowledge of nature and things which are true
```

for every community, and the name of the specialized pursuit of such knowledge was philosophy – the realm of the first philosopher-physicists.

Medieval science

During late antiquity and the early Middle Ages, the Aristotelian approach to inquiries on natural phenomena was used. Aristotle's four causes prescribed that four "why" questions should be answered in order to explain things scientifically.Some ancient knowledge was lost, or in some cases kept in obscurity, during the fall of the Western Roman Empire and periodic political struggles. However, the general fields of science and much of the general knowledge fromthe ancient world remained preserved through the works of the early Latin encyclopedists like Isidore of Seville.However, Aristotle's original texts wereeventually lost in Western Europe, and only one text by Plato was widely known, the Timaeus, which was the only Platonic dialogue, and one of the few originalworks of classical natural philosophy, available to Latin readers in the early Middle Ages. Another original work that gained influence in this period was Ptolemy's Almagest, which contains a geocentric description of the solar system.

Early modern science

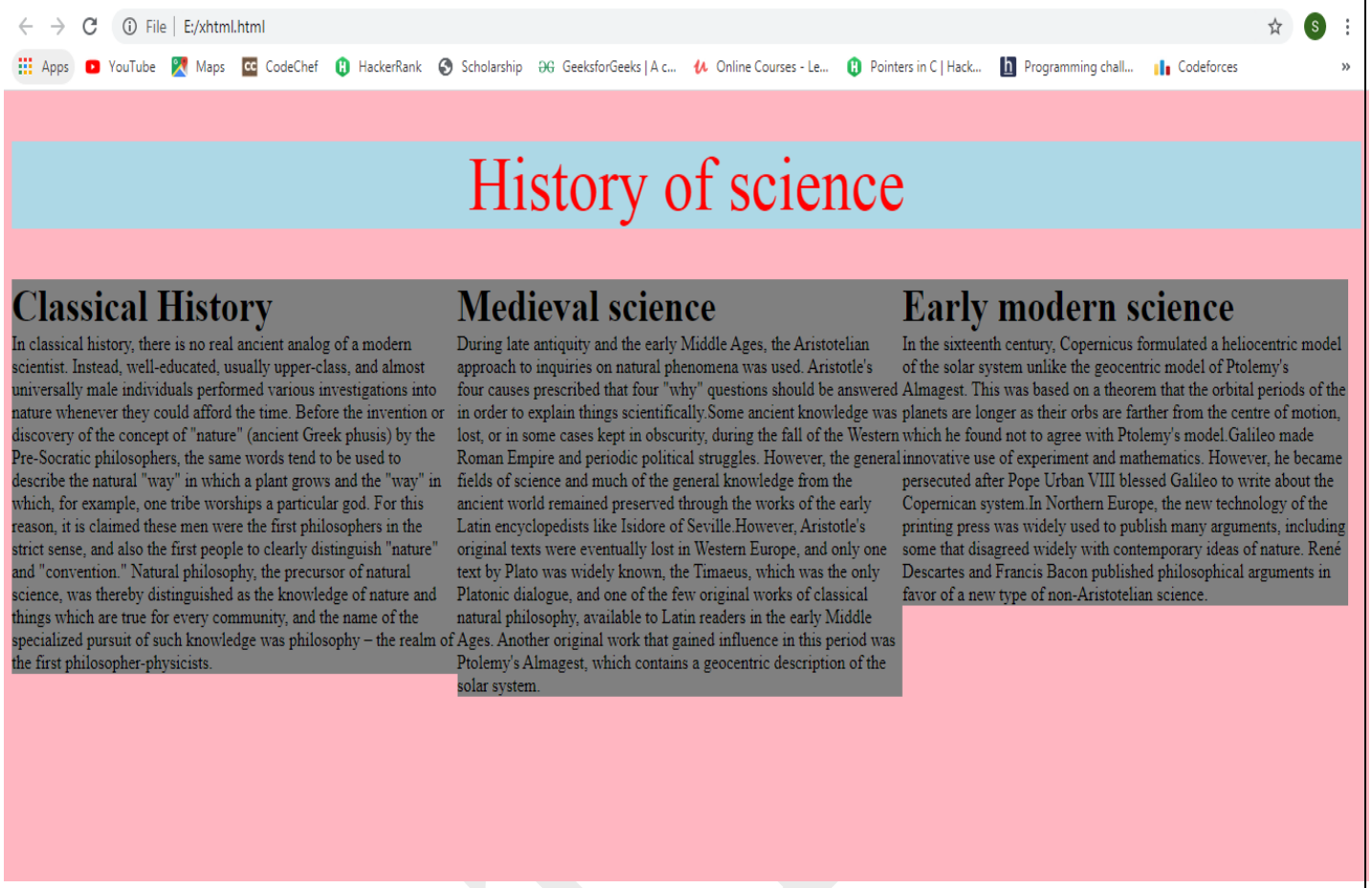
In the sixteenth century, Copernicus formulated a heliocentric model of the solar system unlike the geocentric model of Ptolemy's Almagest.

This was based on a theorem that the orbital periods of the planets are longer as their orbs are farther from the centre of motion, which he found not to agreewith Ptolemy's model.Galileo made innovative use of experiment and mathematics. However, he became persecuted after Pope Urban VIII blessed Galileo to write about the Copernican system.In Northern Europe, the new technology of the printing press was widely used to publish many arguments, including some thatdisagreed widely with contemporary ideas of nature. René Descartes and Francis Bacon published philosophical arguments in favor of a new typeof non-Aristotelian science.

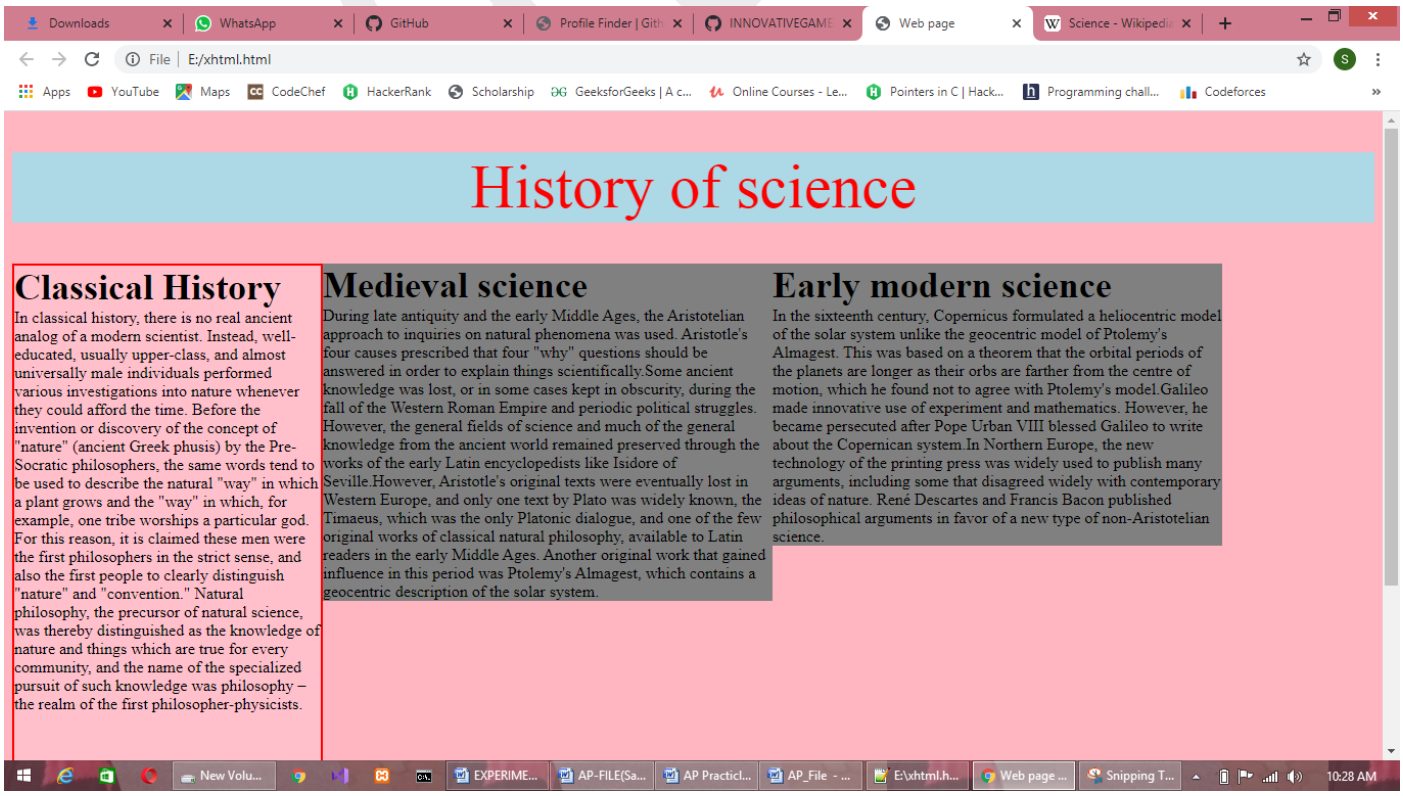
</body>

</html>

OUTPUT:



USE of CSS hover property shown below.



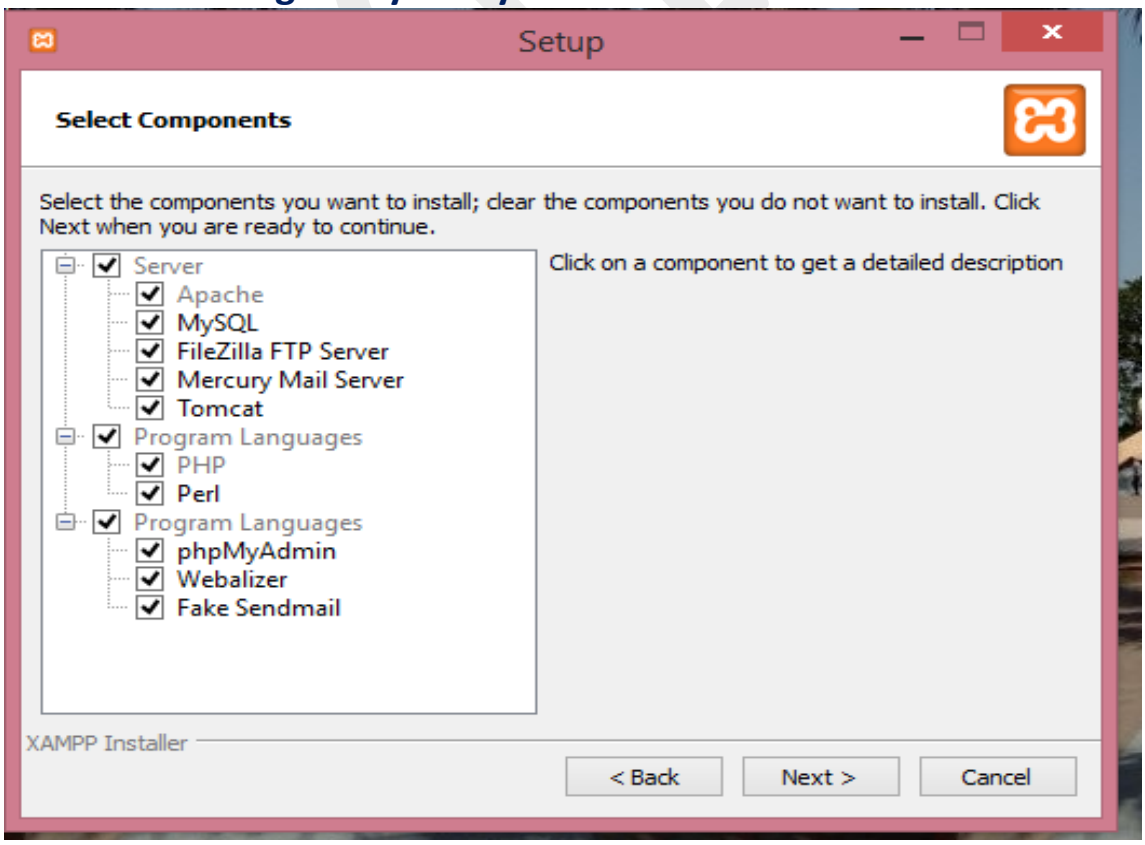
Experiment-4

AIM- *Setting up and Configuration of apache and mysql server using XAMPP.*

Procedure: **Download and Install XAMPP**

1.Download xampp from https://www.apachefriends.org/index.html .

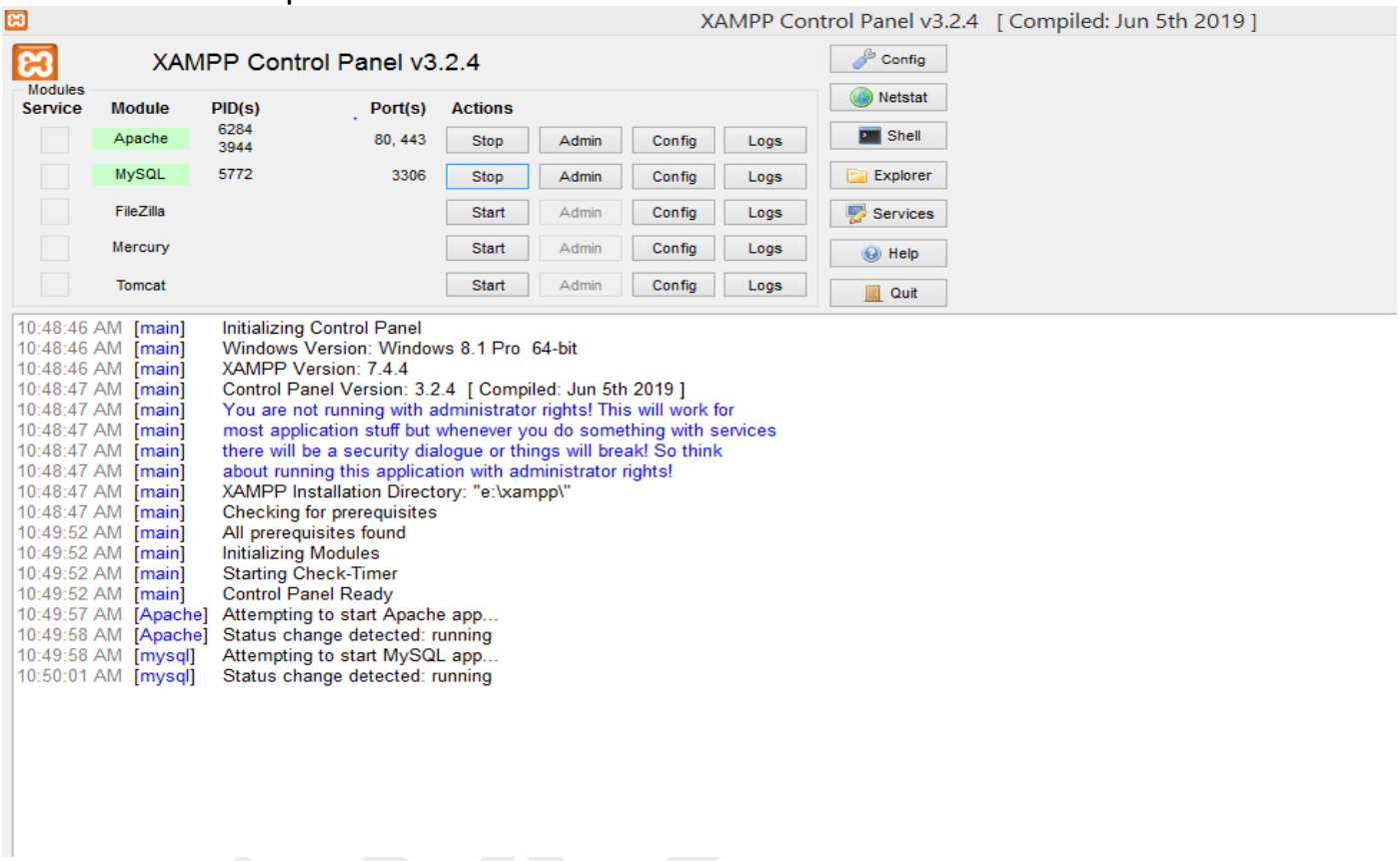
2. Now installing into your system



XAMPP Control Panel :

#1. Opening the XAMPP control panel and starting the apache and mysql server

#1.1 I have changed my localhost IPV4 address from 127.0.0.1 to 127.0.0.2 of apache server



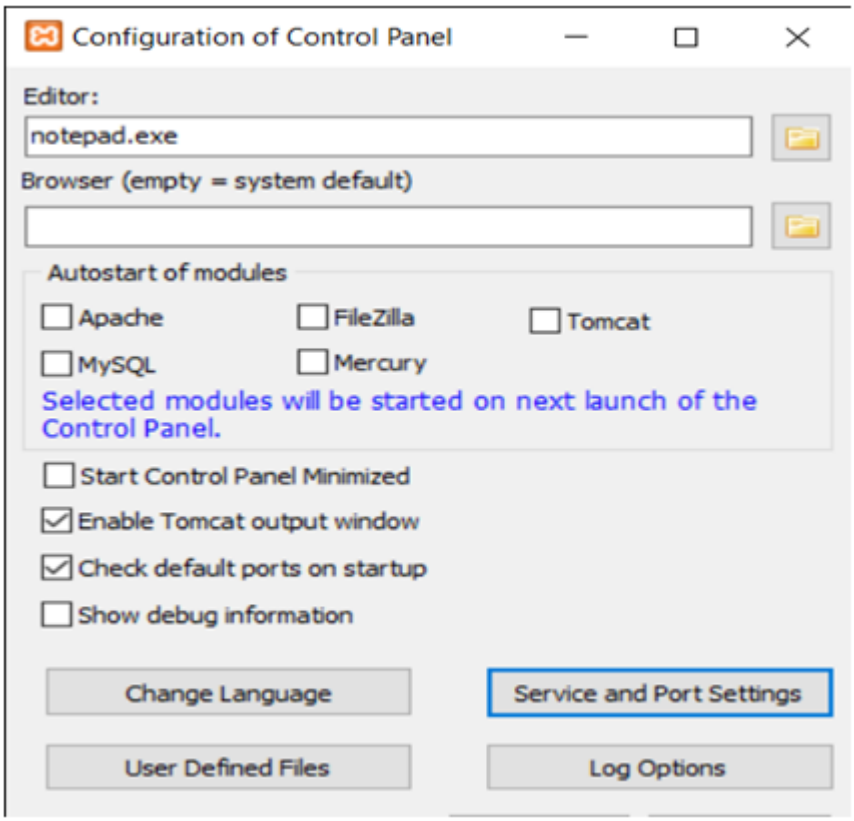
E:\xampp\phpMyAdmin\config.inc.php - Notepad++

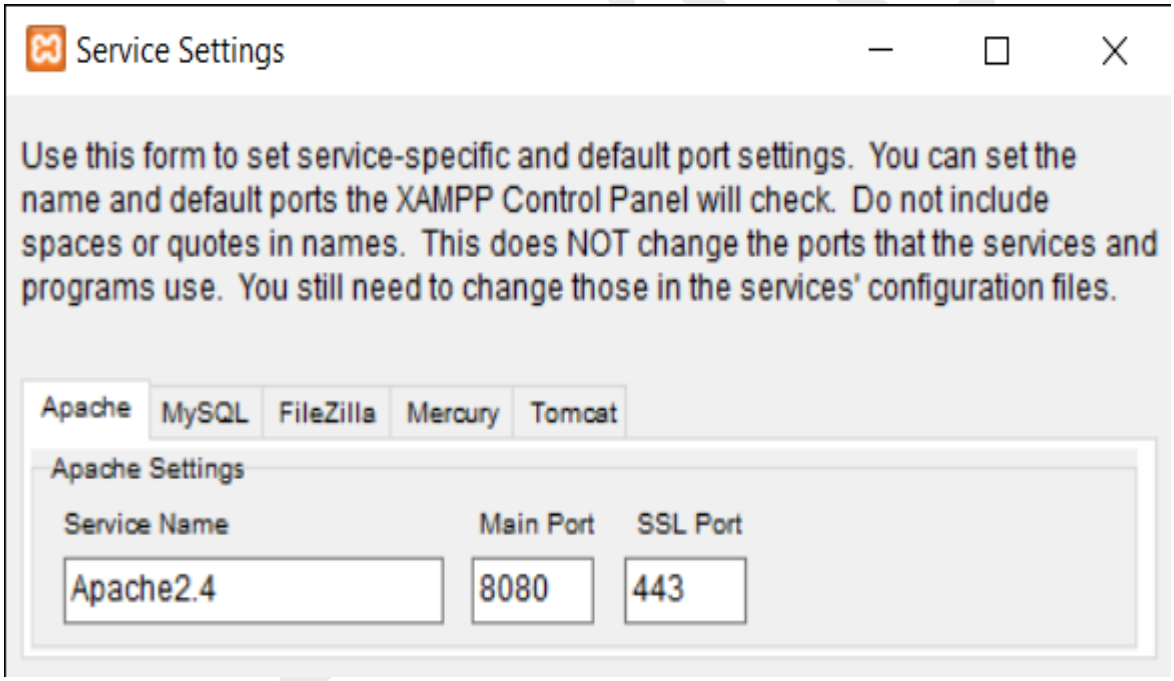
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

heading.html | index.html | bar.html | down.html | xhtml.html | config.inc.php

```php
<?php
/*
 * This is needed for cookie based authentication to encrypt password in
 * cookie
 */
$cfg['blowfish_secret'] = 'xampp'; /* YOU SHOULD CHANGE THIS FOR A MORE SECURE COOKIE AUTH! */

/*
 * Servers configuration
 */
$i = 0;

/*
 * First server
 */
$i++;

/* Authentication type and info */
$cfg['Servers'][$i]['auth_type'] = 'config';
$cfg['Servers'][$i]['user'] = 'root';
$cfg['Servers'][$i]['password'] = '';
$cfg['Servers'][$i]['extension'] = 'mysqli';
$cfg['Servers'][$i]['AllowNoPassword'] = true;
$cfg['Lang'] = '';

/* Bind to the localhost ipv4 address and tcp */
$cfg['Servers'][$i]['host'] = '127.0.0.2';
$cfg['Servers'][$i]['connect_type'] = 'tcp';

/* User for advanced features */
$cfg['Servers'][$i]['controluser'] = 'pma';
$cfg['Servers'][$i]['controlpass'] = '';

/* Advanced phpMyAdmin features */
$cfg['Servers'][$i]['pmadb'] = 'phpmyadmin';
$cfg['Servers'][$i]['bookmarktable'] = 'pma__bookmark';
```

#1.2 Going into config of XAMPP and setting up the service and port settings as follows =>
(I. Main Port: 8080)
(II. SSL Port: 443)


Configuration of Control Panel
Editor:
notepad.exe
Browser (empty = system default)
Autostart of modules
Apache
FileZilla
Tomcat
MySQL
Mercury
Selected modules will be started on next launch of the Control Panel.
Start Control Panel Minimized
Enable Tomcat output window
Check default ports on startup
Show debug information
Change Language
Service and Port Settings
User Defined Files
Log Options


Service Settings
Use this form to set service-specific and default port settings. You can set the name and default ports the XAMPP Control Panel will check. Do not include spaces or quotes in names. This does NOT change the ports that the services and programs use. You still need to change those in the services' configuration files.
Apache
MySQL
FileZilla
Mercury
Tomcat
Apache Settings
Service Name
Main Port
SSL Port
Apache2.4
8080
443

#2. Creating the PHP file in following path `E:\XAMMP\htdocs\` . and now you can execute it from the browser by entering the following address in url.
=> http://localhost/saurabh/test.php

PHP CODE:

```
<?php
    echo "Hello World";
?>
```

OUTPUT :

Hello World

Experiment-5

AIM- Creating a calendar of year 2021 using html.

Procedure: In this problem we are going to use HTML 5 ,CSS and html tags like table ,center,caption,h1 and many more .I can show you through code .

CODE :

Html code(calendar.html)

```
<!DOCTYPE html>
<html >
<head>
    <meta charset="UTF-8">
    <title>Calender</title>
    <link rel="stylesheet" href="calender.css"/>
</head>
<body>
<div id="back">
      <h1><strong><u> CALENDER OF YEAR 2021</u></strong></h1>
    <div class="Cal">
    <table>
        <caption>January</caption>
    <tr>
      <th>Sun</th>
      <th>Mon</th>
      <th>Tues</th>
      <th>Wed</th>
      <th>Thu</th>
      <th>Fri</th>
      <th>Sat</th>
    </tr>
     <tr>
        <td></td>
        <td></td>
        <td></td>
        <td></td>
        <td></td>
        <td>1</td>
        <td>2</td>
      </tr>
      <tr>
        <td>3</td>
        <td>4</td>
        <td>5</td>
        <td>6</td>
        <td>7</td>
```

```
        <td>8</td>
        <td>9</td>
      </tr>
      <tr>
        <td>10</td>
        <td>11</td>
        <td>12</td>
        <td>13</td>
        <td>14</td>
        <td>15</td>
        <td>16</td>
      </tr>
      <tr>
        <td>17</td>
        <td>18</td>
        <td>19</td>
        <td>20</td>
        <td>21</td>
        <td>22</td>
        <td>23</td>
    </tr>
    <tr>
        <td>24</td>
        <td>25</td>
        <td>26</td>
        <td>27</td>
        <td>28</td>
        <td>29</td>
        <td>30</td>
      </tr>
        <tr>
        <td>31</td>
        <td></td>
        <td></td>
        <td></td>
        <td></td>
        <td></td>
        <td></td>
      </tr>
    </table>
      <table>
        <caption>February</caption>
        <tr>
          <th>Sun</th>
          <th>Mon</th>
          <th>Tues</th>
          <th>Wed</th>
          <th>Thu</th>
          <th>Fri</th>
          <th>Sat</th>
      </tr>
```

```
          <tr>
            <td></td>
            <td>1</td>
            <td>2</td>
            <td>3</td>
            <td>4</td>
            <td>5</td>
            <td>6</td>
          </tr>
          <tr>
            <td>7</td>
            <td>8</td>
            <td>9</td>
            <td>10</td>
            <td>11</td>
            <td>12</td>
            <td>13</td>
          </tr>
          <tr>
            <td>14</td>
            <td>15</td>
            <td>16</td>
            <td>17</td>
            <td>18</td>
            <td>19</td>
            <td>20</td>
          </tr>
          <tr>
            <td>21</td>
            <td>22</td>
            <td>23</td>
            <td>24</td>
            <td>22</td>
            <td>26</td>
            <td>27</td>
        </tr>
        <tr>
            <td>28</td>
            <td></td>
            <td></td>
            <td></td>
            <td></td>
            <td></td>
            <td></td>
          </tr>

          <table>
            <caption>March</caption>
            <tr>
                     <th>Sun</th>
              <th>Mon</th>
```

```
            <th>Tues</th>
            <th>Wed</th>
            <th>Thu</th>
            <th>Fri</th>
            <th>Sat</th>
          </tr>
            </tr>
        <tr>
          <td></td>
          <td>1</td>
          <td>2</td>
          <td>3</td>
          <td>4</td>
          <td>5</td>
          <td>6</td>
        </tr>
        <tr>
          <td>7</td>
          <td>8</td>
          <td>9</td>
          <td>10</td>
          <td>11</td>
          <td>12</td>
          <td>13</td>
        </tr>
        <tr>
          <td>14</td>
          <td>15</td>
          <td>16</td>
          <td>17</td>
          <td>18</td>
          <td>19</td>
          <td>20</td>
        </tr>
        <tr>
          <td>21</td>
          <td>22</td>
          <td>23</td>
          <td>24</td>
          <td>22</td>
          <td>26</td>
          <td>27</td>
      </tr>
      <tr>
          <td>28</td>
          <td>29</td>
          <td>30</td>
          <td>31</td>
          <td></td>
          <td></td>
          <td></td>
```

```
        </tr>

          </table>
          <table>
              <caption>April</caption>
              <tr>
                          <th>Sun</th>
                <th>Mon</th>
                <th>Tues</th>
                <th>Wed</th>
                <th>Thu</th>
                <th>Fri</th>
                <th>Sat</th>
              </tr>
               <tr>
                   <td></td>
                   <td></td>
                   <td></td>
                   <td></td>
                   <td>1</td>
                   <td>2</td>
                  <td>3</td>
                </tr>
                <tr>
                  <td>4</td>
                  <td>5</td>
                  <td>6</td>
                  <td>7</td>
                  <td>8</td>
                  <td>9</td>
                  <td>10</td>
                </tr>
                <tr>
                  <td>11</td>
                  <td>12</td>
                  <td>13</td>
                  <td>14</td>
                  <td>15</td>
                  <td>16</td>
                  <td>17</td>
                </tr>
                <tr>
                  <td>18</td>
                  <td>19</td>
                  <td>20</td>
                  <td>21</td>
                  <td>22</td>
                  <td>23</td>
                  <td>24</td>
              </tr>
              <tr>
```

```
                <td>25</td>
                <td>26</td>
                <td>27</td>
                <td>28</td>
                <td>29</td>
                <td>30</td>
                <td></td>
              </tr>

            </table>
        </div>
    <div class="Cal">
            <table>
                <caption>May</caption>

                <tr>
                                <th>Sun</th>
                    <th>Mon</th>
                    <th>Tues</th>
                    <th>Wed</th>
                    <th>Thu</th>
                    <th>Fri</th>
                    <th>Sat</th>
                  </tr>
                 <tr>
                     <td></td>
                      <td></td>
                      <td></td>
                      <td></td>
                      <td></td>
                      <td></td>
                      <td>1</td>
                    </tr>
                <tr>
                    <td>2</td>
                    <td>3</td>
                      <td>4</td>
                      <td>5</td>
                      <td>6</td>
                      <td>7</td>
                      <td>8</td>
                </tr>
             <tr>
                    <td>9</td>
                     <td>10</td>
                      <td>11</td>
                      <td>12</td>
                      <td>13</td>
                      <td>14</td>
                      <td>15</td>
            </tr>
```

```
            <tr>
                      <td>16</td>
                      <td>17</td>
                      <td>18</td>
                      <td>19</td>
                      <td>20</td>
                      <td>21</td>
                      <td>22</td>
            </tr>
            <tr>
                    <td>23</td>
                    <td>24</td>
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    </table>
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<div class="Cal">
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        <caption>September</caption>
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        <td>31</td>
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      </tr>
</table>
</div>
</div>
</body>
</html>
</body>
</html>
```

CSS code(calendar.css)

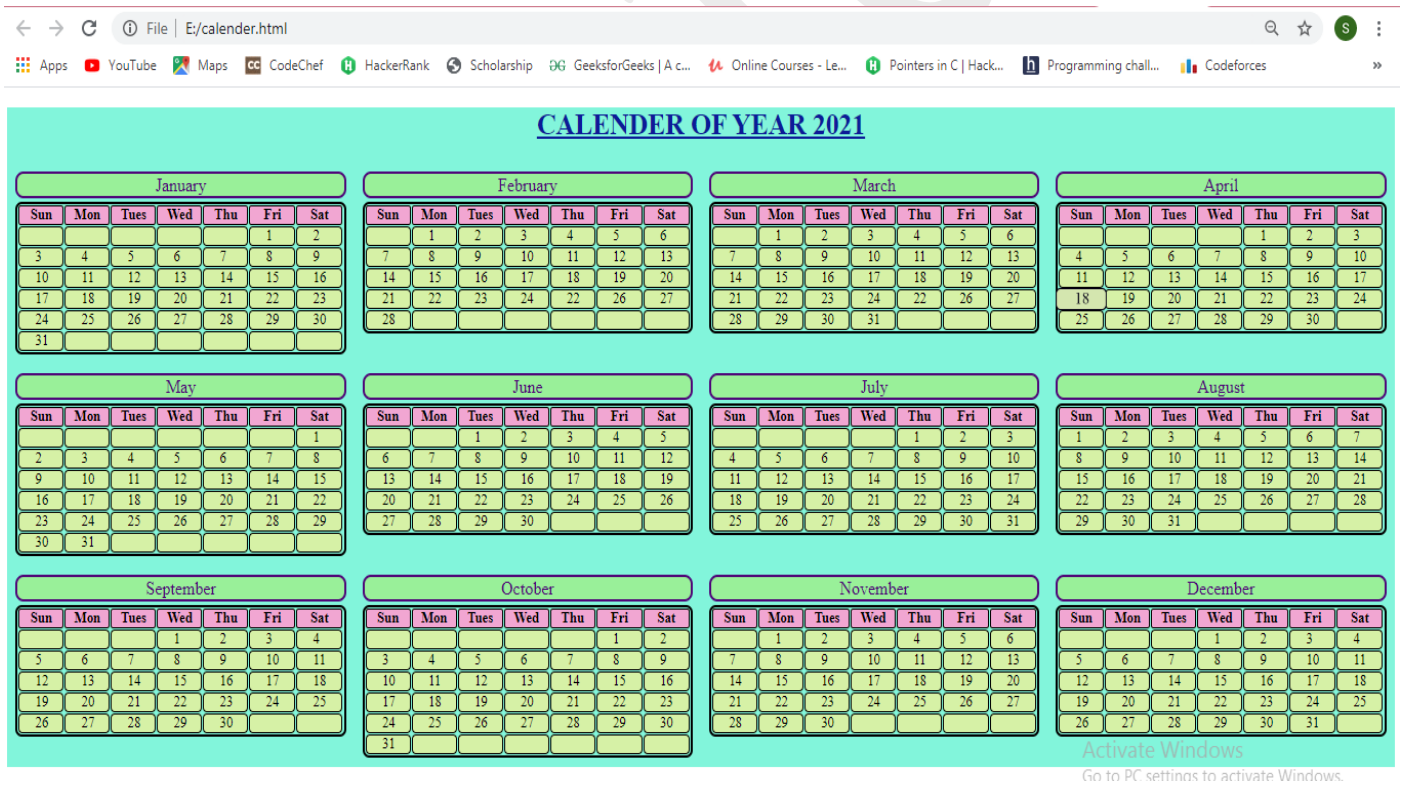
```
caption
      {
          border: 3px solid ;
          color: #4F0779;
          font-size: 20px;
```

```
        background-color: #99F099;
        border-radius: 10px;
        margin-bottom: 4px;
    }
    #back
    {
      background-color: #82F5DB;
    }
    h1
    {
      text-align: center;
      color: #0C1B97;
    }
table
    {
        border: 3px solid ;
        margin: 10px 10px;
        width:24%;
        height: 5%;
        border-radius: 8px;
    }
    tr
    {
        border: 1px solid ;
        background-color:#BBF787;
    }
    th
    {
      border: 1px solid;
      background-color:#F1A6D2;
      border-radius: 3px;
    }
    td
    {
      border: 1px solid  ;
      background-color: #D6F1A6;
      padding-left:19px;
      border-radius: 5px;
    }
    table:hover
    {
        background-color: #A6D8F1;
        color: #192CCFs;
        transition: all 2s ease-in-out;
    }
     td:hover
    {
        border:2px solid ;
        background-color: #C79CEC;
        color: #1D0AA4;
        transition: all 1s ease-in-out;
```

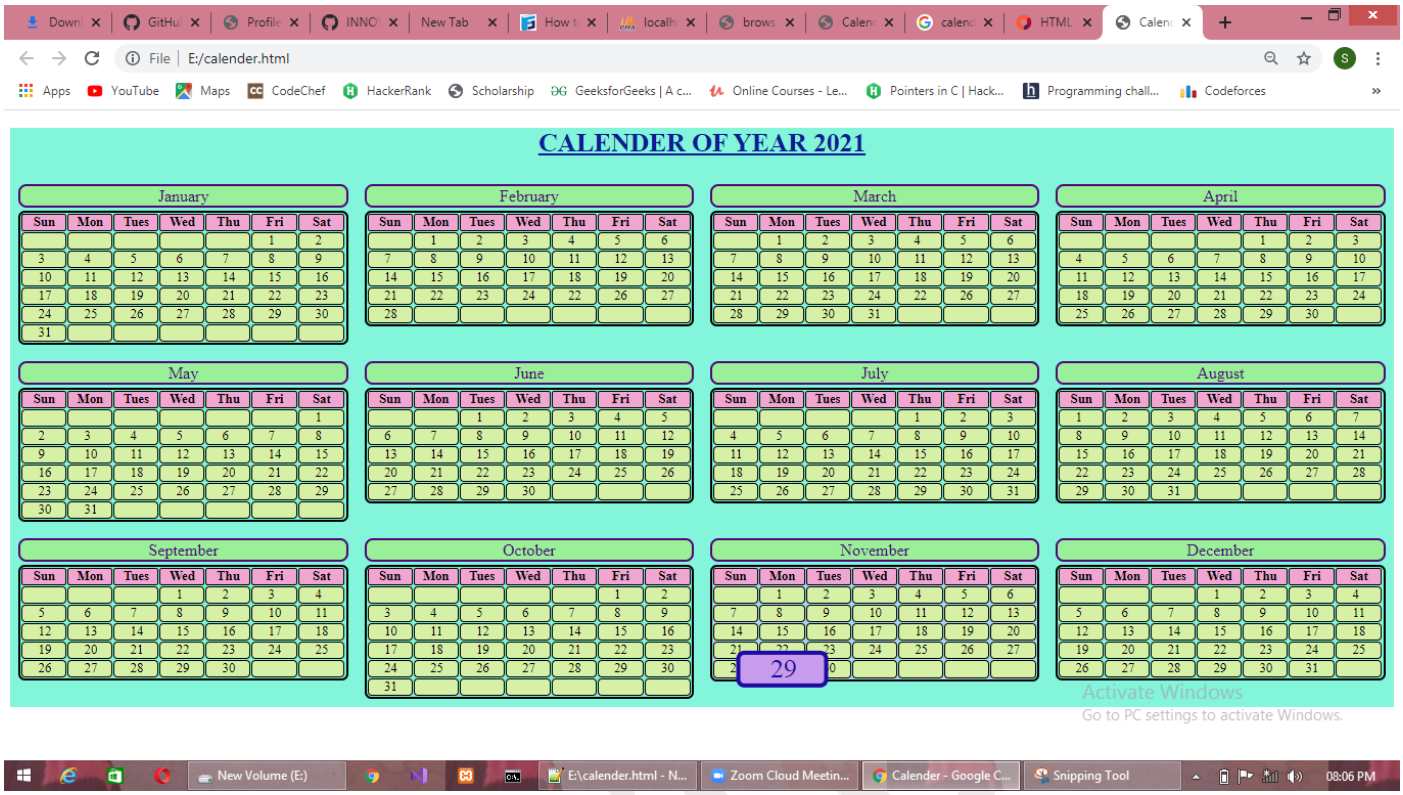
```
        transform: scale(2);
       border-radius: 5px;
    }
     th:hover
    {
        border:2px solid );
        background-color: #BAEA6F;
        color: #0C2195;
        border-radius: 5px;
        transition: all 1s ease-in-out;
        transform: scale(2);
    }

    .Cal
    {
        display: flex;
        flex-direction: row;
    }
```

OUTPUT:

(calendar of 2021)



Hover property of css used in this. Shown below:



Experiment-6

AIM- Creating a Website using php.

Procedure: In this problem we are going to use HTML ,css and php to design a registration form and to store data in local server. I can show you through code

CODE :

HTML CODE(reg.html)

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <meta http-equiv="X-UA-Compatible" content="ie=edge" />
    <title>Registration Page for students</title>
    <link rel="stylesheet" href="reg.css">
</head>
  <body>
  <center>
<img src="logo.png" alt="logo of IIIT Sonepat"style="width:1100px;height:105px;">
</center>
  <div class="bar">
        <nav>
            <ul>
            <li><a href="http://iiitsonepat.ac.in/home/about">Home</a></li>
            <li><a href="A">About</a></li>
            <li><a href="A">Service</a></li>
            <li><a href="h">Placement</a></li>
            <li><a href="A">Contact us</a></li>
           </ul>
        </nav>
   </div>
    <div id="container">
      <div class="form-wrap">
        <h1>Sign Up to get latest info. of IIIT Sonepat</h1>
        <form action="reg.php" method="POST">
          <div class="form-group">
            <label for="first-name">First Name</label>
            <input type="text" name="firstName" id="first-name" required/>
          </div>
          <div class="form-group">
            <label for="last-name">Last Name</label>
            <input type="text" name="lastName" id="last-name" />
```

```
          </div>
          <div class="form-group">
            <label for="email">Email</label>
            <input type="email" name="email" id="email" required/>
          </div>
          <div class="form-group">
            <label for="password">Password</label>
            <input type="password" name="password" id="password" placeholder="minimum
length :  5" minlength="5" required/>
          </div>
          <button type="submit" name ="submit" class="btn">Sign Up</button>
          <p class="bottom-text">
            By clicking the Sign Up button, you agree to our
            <a href="#">Terms & Conditions</a> and
            <a href="#">Privacy Policy</a>
          </p>
        </form>
      </div>
    </div>
  </body>
</html>
```

CSS CODE (reg.css)

```
.bar
  {
           background-color: rgb(10, 8, 9);
           border-radius: 8px;
  }
       .bar ul
     {
         overflow: auto;
     }

     .bar  li
     {
            float: left;
            list-style: none;
            padding-top: 10px;
            padding-bottom: 6px;
            padding-left: 25px;
     }
   .bar li a
     {
       margin: 10px,100px;
       text-decoration: none;
     }* {
    box-sizing: border-box;
    margin:0px;
```

```
    padding: 0px;
    font-family: Raleway;
}

  body {
    background-color: lightblue;
}

  a {
    text-decoration: none;
    color: blue;
}

  #container {
    max-width: 350px;
    margin: 40px auto;
    padding: 10px;
}


  .form-wrap {
    background-color: white;
    padding: 15px 20px;
    border: 8px #fff solid;
    border-radius: 5px;
  }

  .form-wrap h1,
  .form-wrap p {
    text-align: center;
}

  .form-wrap .form-group {
    margin-top: 10px;
}

  .form-wrap .form-group label {
    display: block;
    margin-bottom: 4px;
}

  .form-wrap .form-group input {
    width: 100%;
    padding: 8px;
    border: 1px #49c1f9 solid;
    border-radius: 5px;
}

  .form-wrap button {
    display: block;
    width: 100%;
```

```
    border: 1px #49c1f9 solid;
    border-radius: 5px;
    background-color: #49c1a2;
    padding: 8px;
    margin-top: 10px;
    cursor: pointer;
}

  .form-wrap button:hover {
    background-color: #37a08e;
}

  .form-wrap .bottom-text {
    font-size: 14px;
    margin-top: 10px;
}
```

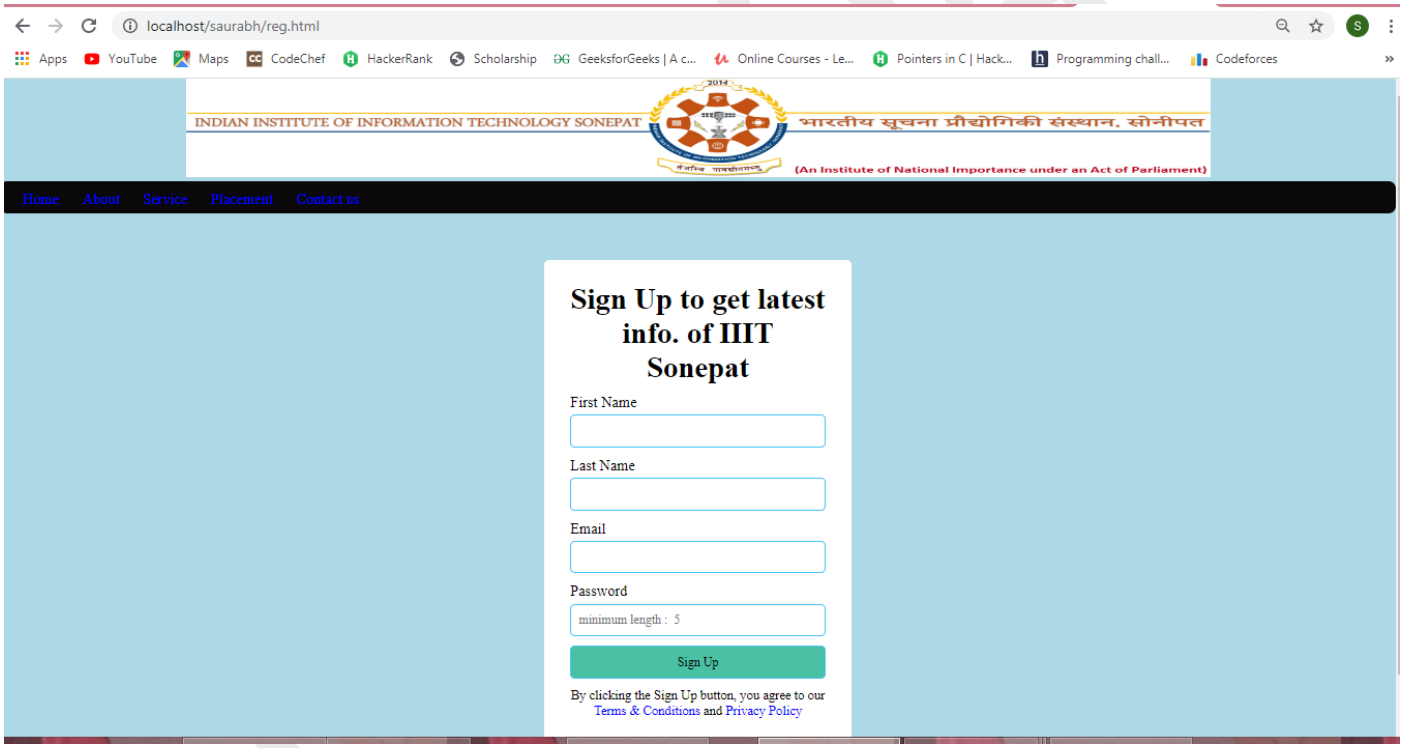
PHP CODE(reg.php)

```
   function ShowAlert($message,$info)
{
    echo "<h1>$message</h1>" . "<br>";
    echo "<h3>$info</h3>";
}

if(isset($_POST["submit"]))
{
    $firstName = $_POST["firstName"];
    $lastName = $_POST["lastName"];
    $email = $_POST["email"];
    $password = $_POST["password"];

    $connection = mysqli_connect("localhost","root","","info");

    if($connection)
    {
        $query = "INSERT INTO user(FirstName,LastName,Email,Password) ";
        $query .= "VALUES ('$firstName','$lastName','$email','$password')";

        $result = mysqli_query($connection , $query);

        if($result)
        {
            ShowAlert("User Successfully registered into database","Welcome to our
Family");
        }
        else
        {
```

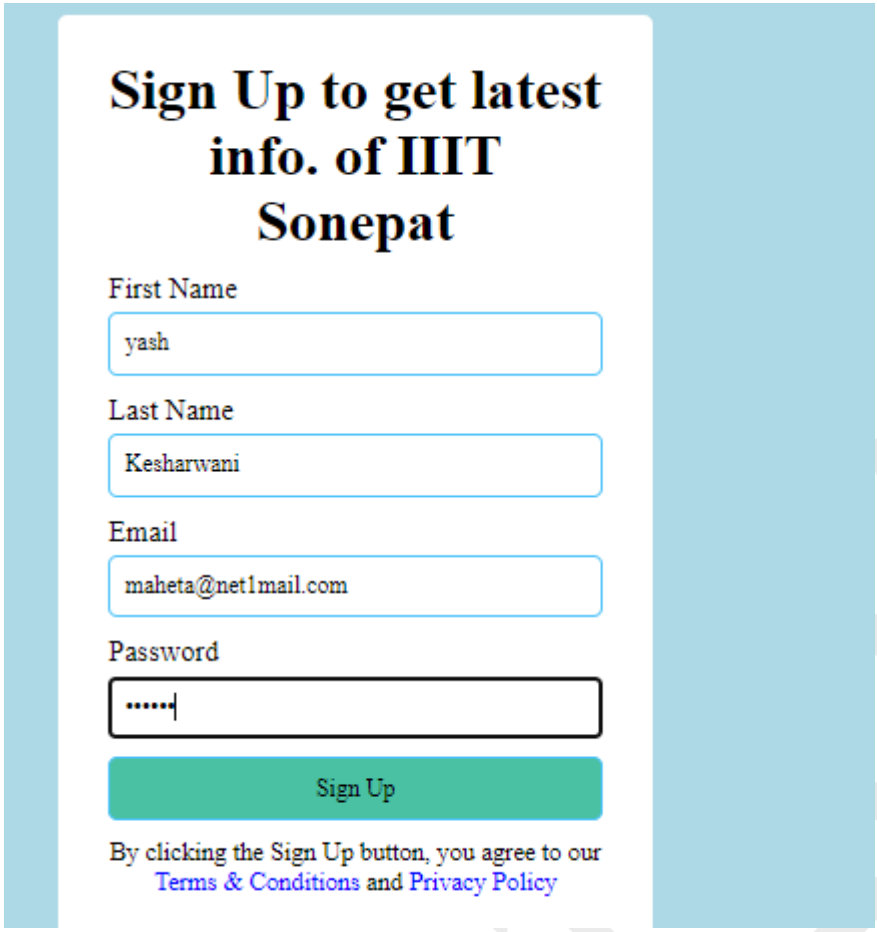
```
            ShowAlert("Something Went Wrong With database","Debugging error: " .
mysqli_error($connection));
        }
    }
    else
    {
        ShowAlert("Something Went Wrong With Connection","Debugging error: " .
mysqli_connect_error());
    }
}

?>
```

OUTPUT:

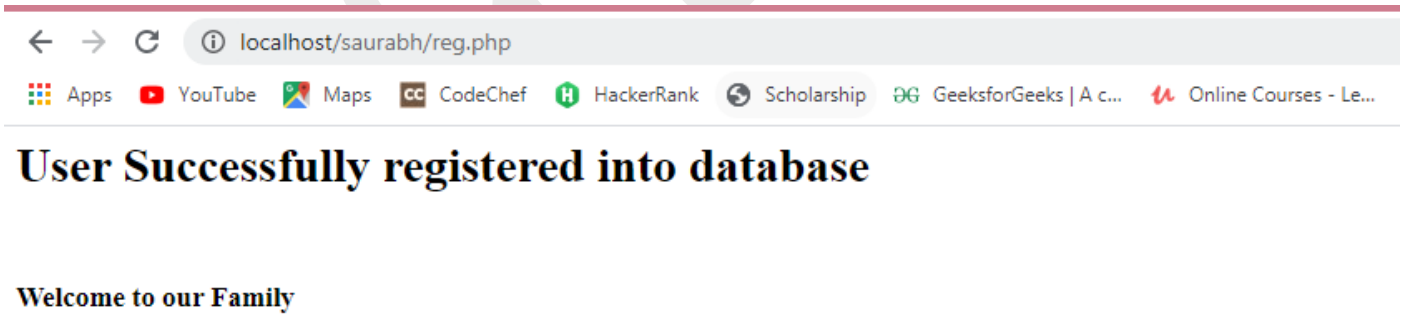
Output of page:



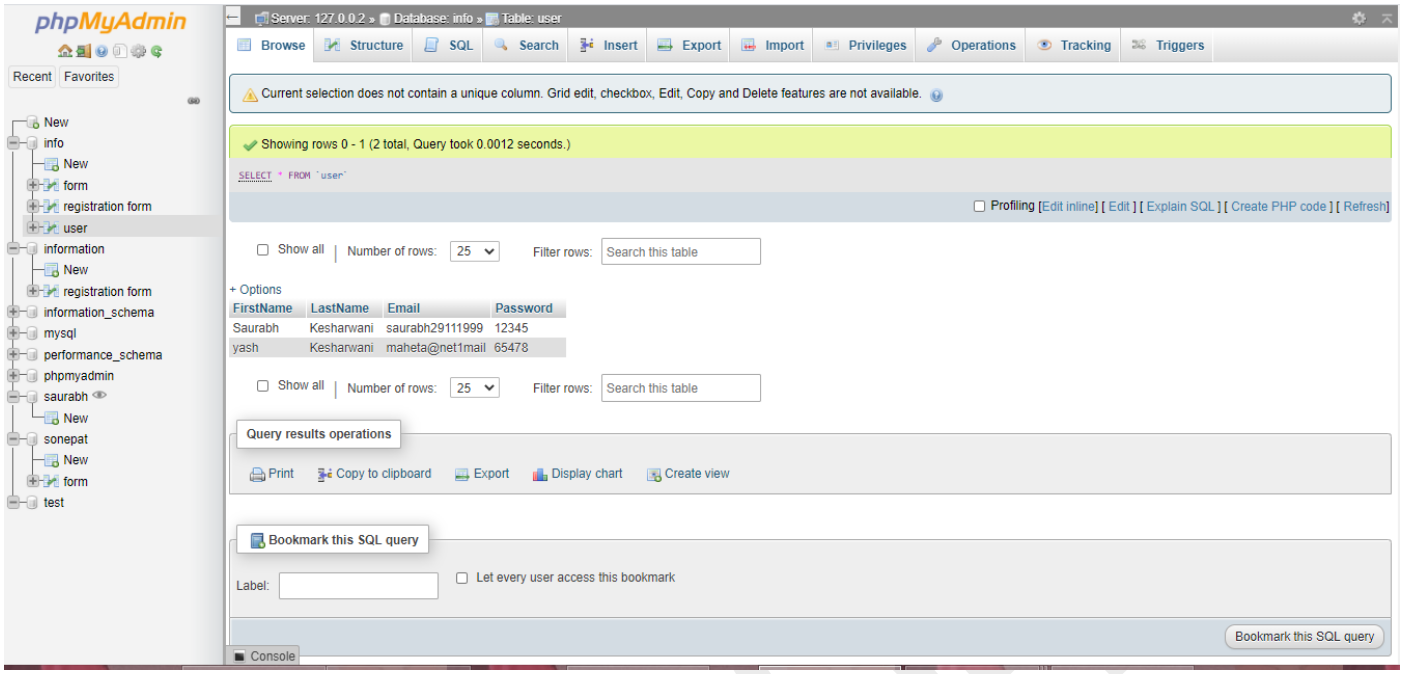
Fill of data in form:



Confirmation Message



Store of data in data base:



Experiment-7

AIM- Understanding Java script.(browser detection)

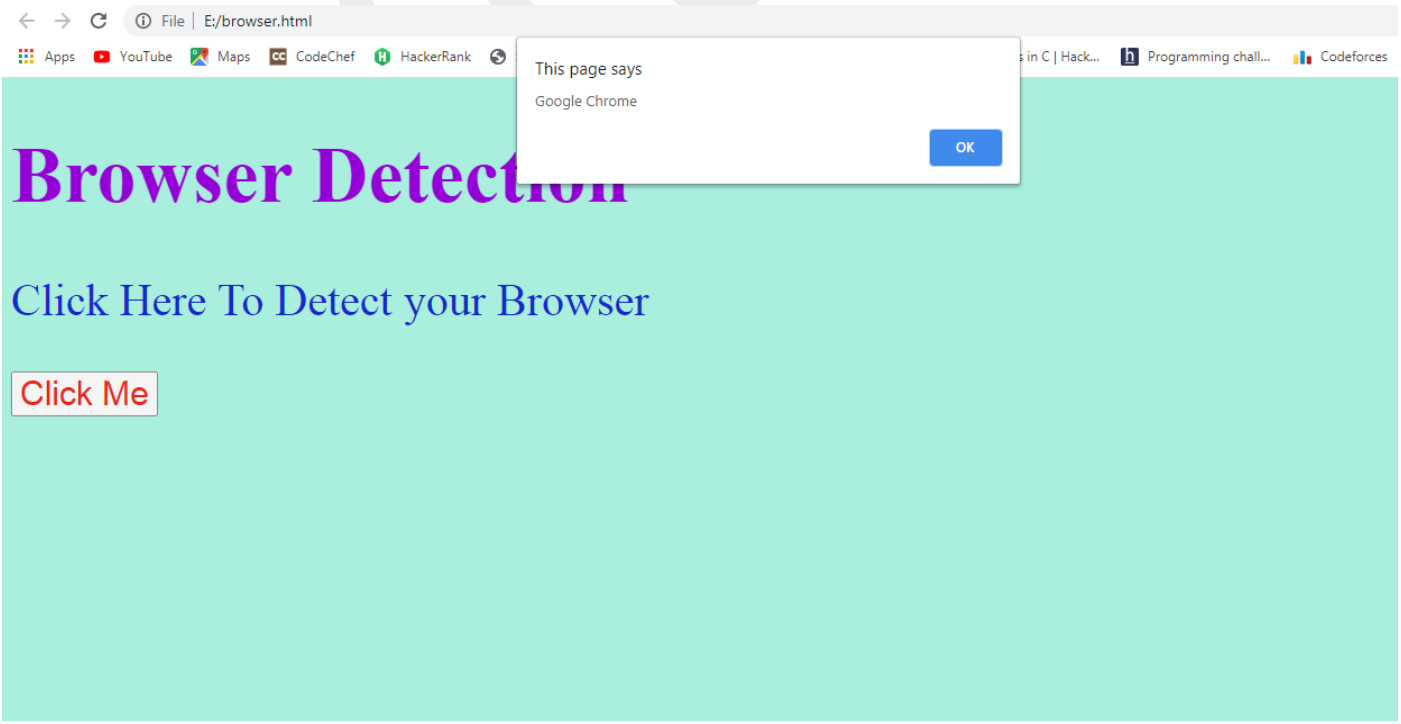
Procedure: In this problem we are going to use javascript to make a program to detect the browser using by user. I can show you through code.

CODE:

```
<!DOCTYPE html>
<html>
<head>
<title>browser detection program </title>
<script>
function BrowserDetection() {
            var allGood = false;
            //Check for browser is IE
            console.log(navigator.userAgent);
            console.log((navigator.userAgent.search("Opera") >= 0 ||
navigator.userAgent.search("OPR") >= 0))
            //Check for browser is Chrome
            if (navigator.userAgent.search("Chrome") >= 0) {
                        alert("Google Chrome");
            }
            //Check for browser is Firefox
            if (navigator.userAgent.search("Firefox") >= 0) {
                        alert("Mozilla Firefox");
            }
            //Check for browser is Safari
            if (navigator.userAgent.search("Safari") >= 0 &&
navigator.userAgent.search("Chrome") < 0) {
                        alert("Safari");
            }
            //Check for browser is Opera
            if ((navigator.userAgent.search("Opera") >= 0) ||
(navigator.userAgent.search("OPR") >= 0)) {

                        alert("Opera");
            }
            if (navigator.userAgent.search("MSIE") >= 0) {
               alert("MSIE");

            }
            if (navigator.userAgent.search("Edge") >= 0) {
alert("Microsoft Edge");
            }

        }
```

```
</script>
<style>
 body {
    background-color: #AAEEDE;
}
h1 {
   color:#9400D5 ;
   font-size:70px ;
   }
 p{
     color:#1229CB ;
   font-size:40px ;
 }
 button{
       color:#E72715;
         font-size:30px
         }
</style>
</head>
<body >
<h1>Browser Detection</h1>
<p>Click Here To Detect your Browser</p>
<button onclick="BrowserDetection()">Click Me</button>
</body>
</html>
```

OUTPUT:



Experiment-8

AIM- Write a program to understand working of API using fetch and promises & handling the response using Async_Await (Github Profile Finder).

Procedure: In this problem we are going to use html and javascript to make a program for finding the profile of Github. I can show you through code

CODE :

HTML Code:

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <link
      rel="stylesheet"
      href="https://bootswatch.com/4/cyborg/bootstrap.min.css"
    />
    <title>Profile Finder of Github</title>
  </head>
  <body>
    <nav class="navbar navbar-expand-sm bg-dark navbar-dark mb-4">
      <div class="container">
        <a href="#" class="navbar-brand">Profile Finder (Github)</a>
      </div>
    </nav>

    <div class="container searchContainer">
      <div class="card border-info text-white search">
        <div class="card-header">
          <h4>Search Github Users</h4>
        </div>
        <div class="card-body">
          <p class="lead">Enter username to fetch profile and repos of user</p>
          <input
            type="text"
            id="UserName"
            class="form-control border border-primary"
            placeholder="Enter Username..."
          />
        </div>
```

```
      </div>
      <hr class="bg-white" />
      <div id="profile"></div>
      <h4 class="bg-light text-white border border-info rounded p-2 pl-3 my-3">
        Latest Repos
      </h4>
      <div id="repos" class="border border-success rounded"></div>
    </div>

    <footer
      class="bg-black border-top border-bottom border-white text-white p-3 text-center mt-
5 mb-3"
    >
      Profile Finder (Github) &copy; 2020
    </footer>

    <script
      src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
      integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
      crossorigin="anonymous"
    ></script>
    <script
      src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
      integrity="sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
      crossorigin="anonymous"
    ></script>
    <script
      src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"
      integrity="sha384-OgVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ipu6Tp75j7Bh/kR0JKI"
      crossorigin="anonymous"
    ></script>

    <script src="./github.js"></script>
    <script src="./ui.js"></script>
    <script src="./app.js"></script>
  </body>
</html>
```

JavaScript Code (github.js)

```
class Github {
  constructor() {
    this.client_id = "9df188b7d59bbb573db3";
    this.client_secret = "dc2bc7e6f8b42bbc6a3b99f356c75661366ab6e0";
    this.repos_count = 5;
    this.repos_sort = "created: asc";
  }

  async GetUser(user) {
```

```
    const profileResponse = await fetch(

`https://api.github.com/users/${user}?client_id=${this.client_id}&client_secret=${this.cli
ent_secret}`
    );
    const repoResponse = await fetch(

`https://api.github.com/users/${user}/repos?per_page=${this.repos_count}&sort=${this.repos
_sort}&client_id=${this.client_id}&client_secret=${this.client_secret}`
    );

    const profile = await profileResponse.json();
    const repos = await repoResponse.json();

    return {
      profile: profile,
      repos: repos,
    };
  }
}
```

JavaScript Code (ui.js)

```
class UI {
  constructor() {
    this.profile = document.getElementById("profile");
  }

  ShowProfile(user) {
    this.ClearAlert();

    this.profile.innerHTML = `
    <div class="card border-success">
    <div class="card-header text-center text-white display-3 font-
italic">${user.name}</div>
    <div class="card-body">
      <div class="row">
        <div class="col-md-3">
          <img
            src="${user.avatar_url}"
            alt="profile image"
            class="img-fluid w-100 mb-3 border border-white rounded"
          />
          <a href="${user.html_url}" target="_blank" class="btn btn-block btn-outline-
success mb-3"
            >View Profile</a
          >
        </div>
        <div class="col-md-9">
```

```
          <div class="mb-4">
            <span class="badge badge-primary mr-3">Public Repos:
${user.public_repos}</span>
            <span class="badge badge-secondary mr-3">Public Gists:
${user.public_gists}</span>
            <span class="badge badge-danger mr-3">Followers: ${user.followers}</span>
            <span class="badge badge-warning mr-3">Following: ${user.following}</span>
          </div>
          <div class="mt-3 border border-success rounded align-self-center">
            <ul class="list-group">
              <li class="list-group-item text-white text-capitalize">
                Company: ${user.company}
              </li>
              <li class="list-group-item bg-success text-light">
                Email: ${user.email}
              </li>
              <li class="list-group-item text-white text-capitalize">Location:
${user.location}</li>
              <li class="list-group-item bg-success text-light">
                Member Since: ${user.created_at}
              </li>
            </ul>
          </div>
        </div>
      </div>
    </div>
  </div>
        `;
  }

  ShowRepos(repos) {
    let output = ``;
    repos.forEach(function (repo) {
      output += `
      <div class="card card-body">
      <div class="row">
        <div class="col-md-6 mt-2">
          <a href="${repo.html_url}" target="_blank" class="text-decoration-
none">${repo.name}</a>
        </div>
        <div class="col-md-6 mt-2">
        <span class="badge badge-secondary mr-3">Forks: ${repo.forks}</span>
        <span class="badge badge-danger mr-3">Watchers: ${repo.watchers}</span>
        <span class="badge badge-warning mr-3">Stars: ${repo.startgazers_count}</span>
        </div>
      </div>
    </div>
      `;
    });

    const div = document.getElementById("repos");
```

```
    div.innerHTML = output;
  }

  ClearProfile() {
    this.profile.innerHTML = "";
  }

  ClearRepos() {
    document.getElementById("repos").innerHTML = "";
  }

  ShowAlert(message) {
    this.ClearAlert();

    const div = document.createElement("div");

    div.className = "alert alert-danger";

    div.innerHTML = message;

    const container = document.querySelector(".searchContainer");

    const search = document.querySelector(".search");

    container.insertBefore(div, search);

    this.ClearProfile();
    this.ClearRepos();
  }

  ClearAlert() {
    const currentAlert = document.querySelector(".alert");

    if (currentAlert != null) {
      currentAlert.remove();
    }
  }
}
```

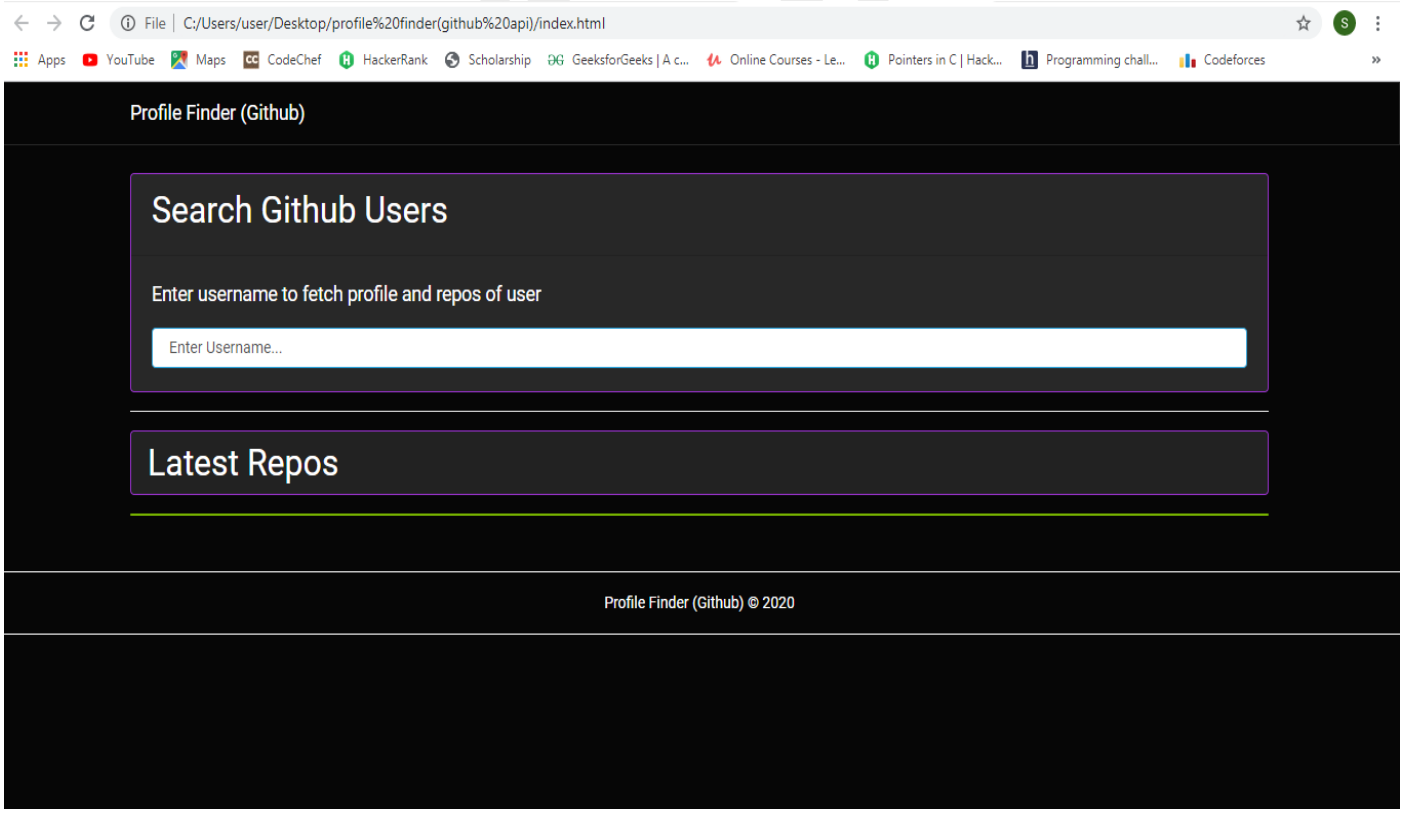
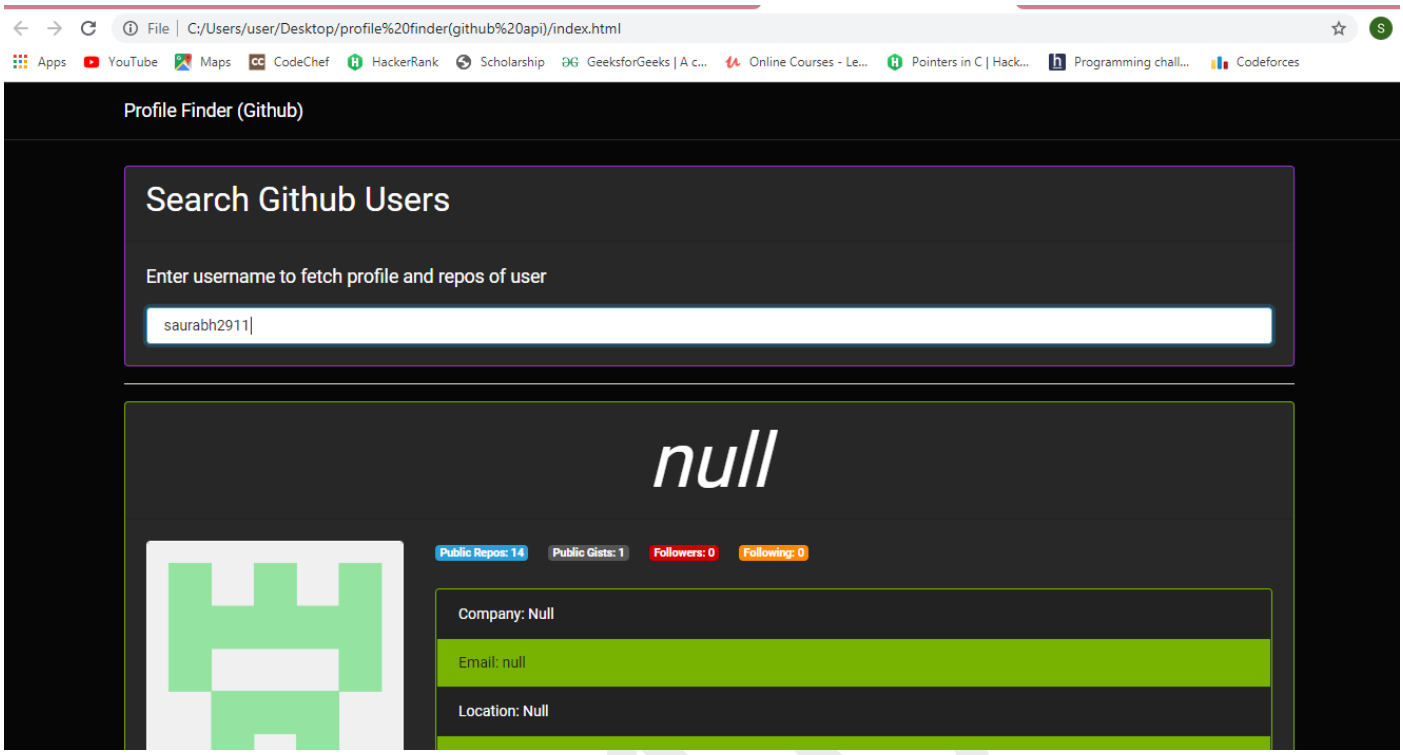
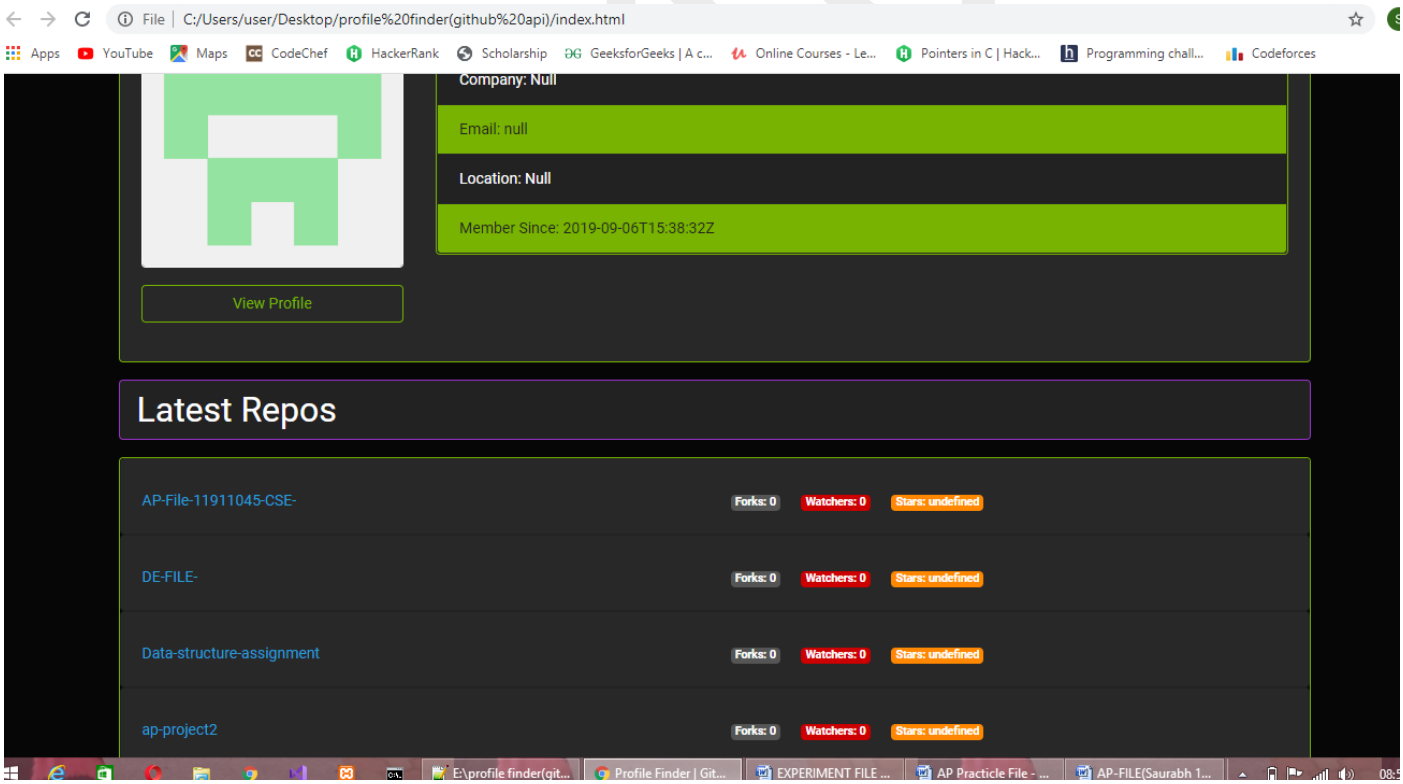
JavaScript Code (app.js)

```
const UserName = document.getElementById("UserName");
const github = new Github();
const ui = new UI();

UserName.addEventListener("keyup", ShowContent);

function ShowContent(e) {
  const username = e.target.value;
```

```
  if (username !== "") {
    github
      .GetUser(username)
      .then((data) => {
        if (data.profile.message === "Not Found") {
          ui.ShowAlert("USER NOT FOUND!!!");
        } else {
          ui.ShowProfile(data.profile);
          ui.ShowRepos(data.repos);
        }
      })
      .catch((err) => {
        console.log(err);
      });
  } else {
    ui.ClearProfile();
    ui.ClearAlert();
    ui.ClearRepos();
  }
}
```

NOTE: Please run this code Online.

OUTPUT:



Search Of Profile of github by username saurabh2911 .