

Q1. Write an HTML code to:

- Insert various types of headings in a webpage.
- Display text exactly in the way it's written in the HTML document.
- Insert an absolute and relative image in a webpage
- Insert a hyperlink in a webpage, which opens "google.com" in a new tab.

Code:

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <style>
    .relative
    {
      position: relative;
    }
    .absolute
    {
      position: absolute;
    }
  </style>
</head>

<body>
  <h1>Heading 1</h1>
  <h2>Heading 2</h2>
  <h3>Heading 3</h3>
  <h4>Heading 4</h4>
  <h5>Heading 5</h5>
  <h6>Heading 6</h6>
  <hr>

  <a href="https://www.google.com/" target="_blank">click</a>
  <hr>

  <pre>      Lorem ipsum dolor sit amet consectetur adipisicing elit.
Dolor aliquid quidem asper</pre>
  <hr>
  <div class="relative">
```

```

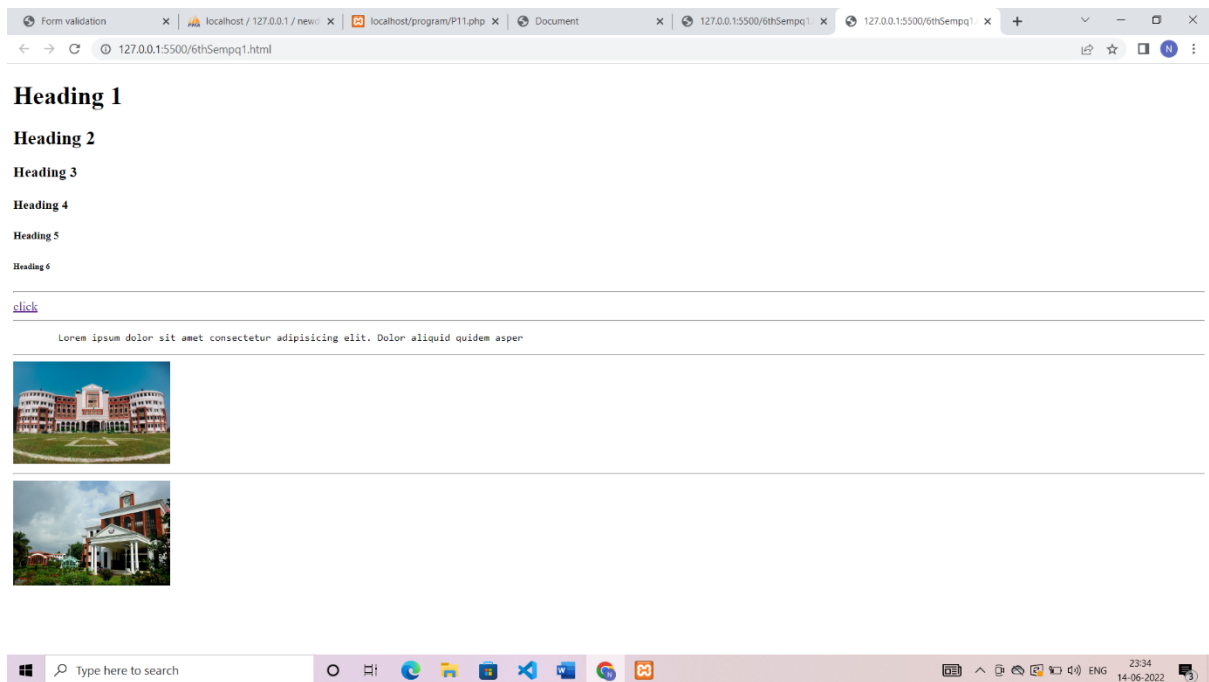
        
    </div>
    <hr>
    <div class="absolute">
        
    </div>
    <a href="https://www.google.com/" target="_blank">click</a>

</body>

</html>

```

OUTPUT:



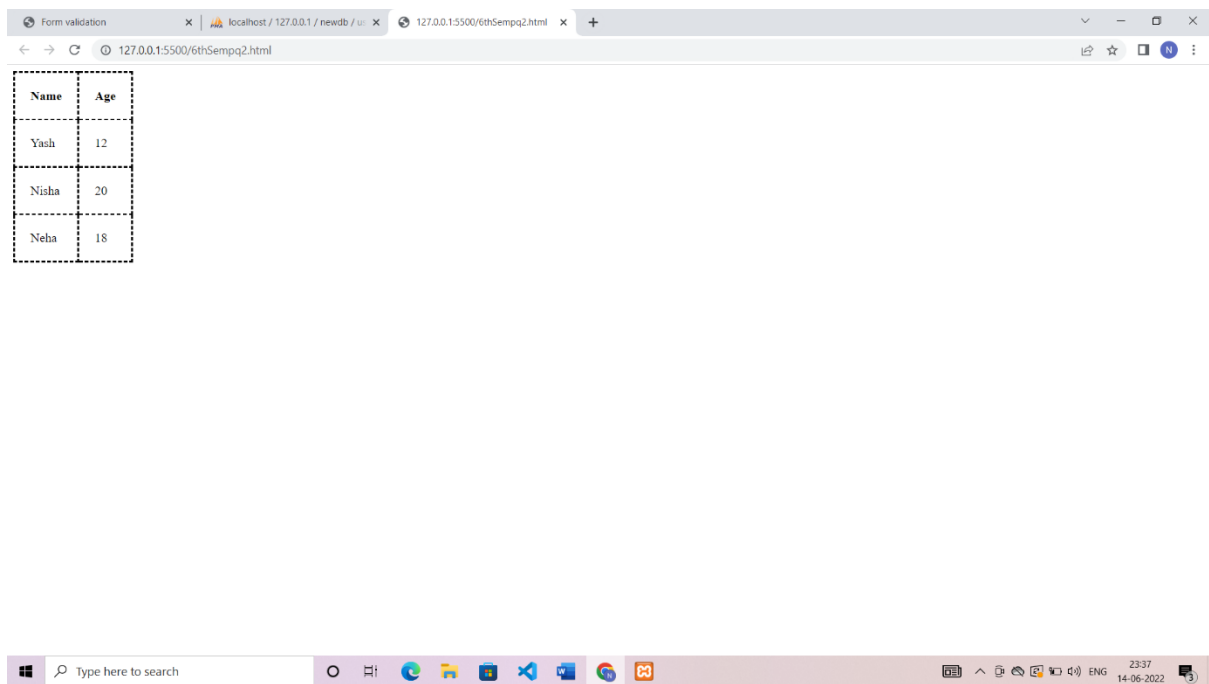
Q2. Write an HTML code to create a table, such that:

- It should consist of 2 columns – Name and Age
- The column names must be headers.
- It should have 3 rows containing appropriate name and age of people.
- The table should have dashed boundary with a width of 2 pixel.
- The cells should have a padding of 5 pixels.

CODE :

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <style>
    table, tr, td, th {
      border: 2px dashed black;
      border-collapse: collapse;
    }
  </style>
</head>
<body>
  <table cellpadding="20px">
    <tr>
      <th>Name</th>
      <th>Age</th>
    </tr>
    <tr>
      <td>Yash</td>
      <td>12</td>
    </tr>
    <tr>
      <td>Nisha</td>
      <td>20</td>
    </tr>
    <tr>
      <td>Neha</td>
      <td>18</td>
    </tr>
  </table>
</body>
</html>
```

OUTPUT:



Q3. Write an HTML code to create your college website using frames:

Graphic Era Hill University	
Home About Us Contact Us	Welcome to Graphic Era Hill University HomePage .
Copyright: all rights held by GEHU@2022	

CODE:

Q3.html

```
<html>
  <frameset rows="20%,60%,20%">
    <frame src="f1.html">
      <frameset cols="20%,80%">
        <frame src="f2.html">
          <frame src="f4.html">
        </frameset>
      <frame src="f3.html">
    </frameset>
  </html>
```

F1.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>header</title>
</head>
<body>
  <h3 style="text-align:center;">Graphic era Hill University</h3>
</body>
</html>
```

F2.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>menu</title>
</head>
<body>
  <a href="">Home</a><br>
  <a href="">Abouts Us</a><br>
  <a href="">Contact</a><br>
</body>
</html>
```

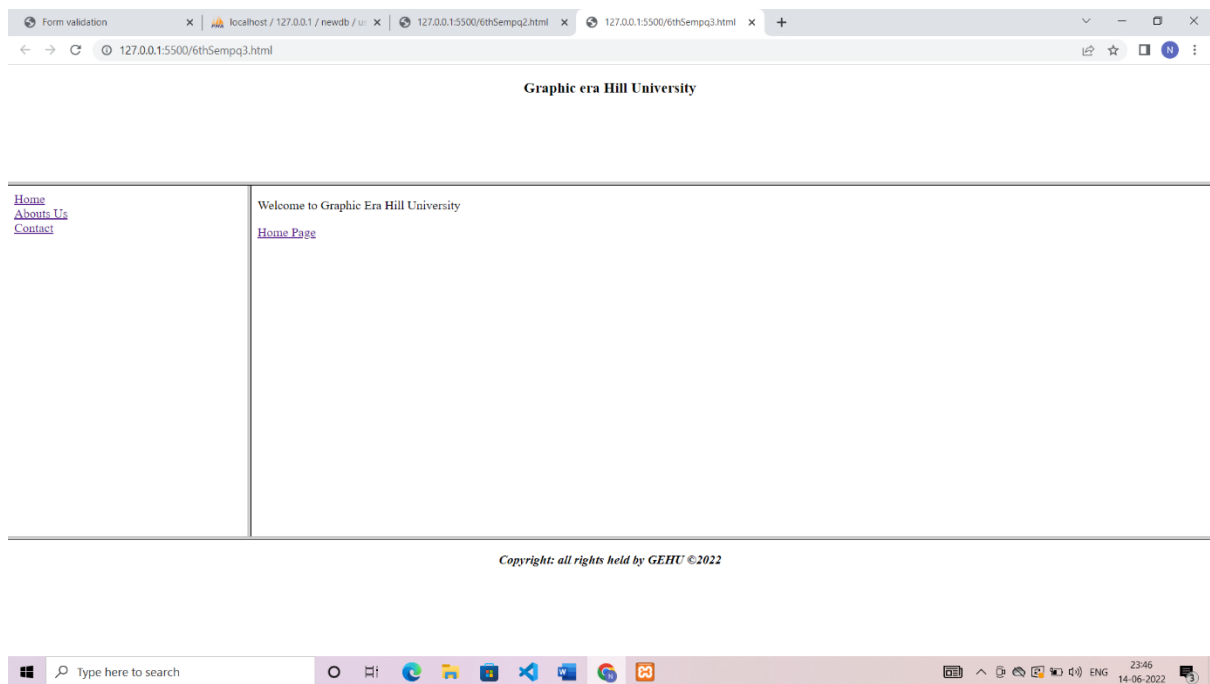
F3.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>footer</title>
</head>
<body>
  <p style="text-align: center; font-style : italic; "><b>Copyright: all
rights held by GEHU &copy;2022</b></p>
</body>
</html>
```

F4.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
</head>
<body>
  <p>Welcome to Graphic Era Hill University</p>
  <a href="">Home Page</a>
</body>
</html>
```

OUTPUT:

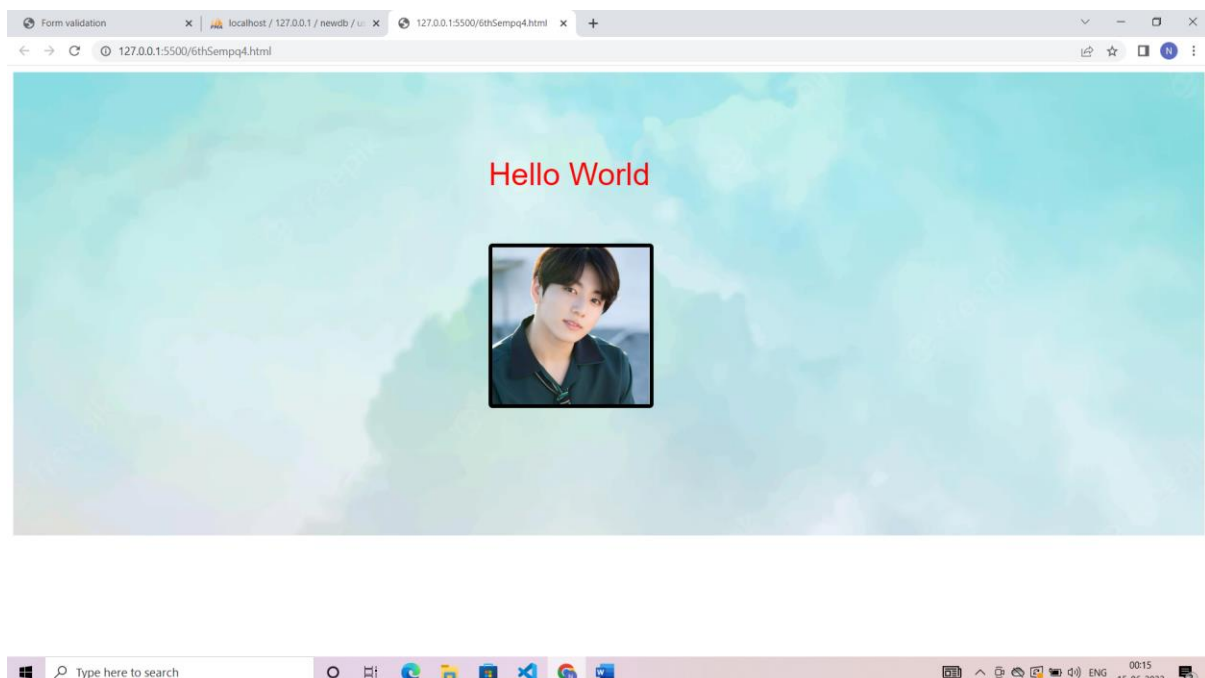


Q4. Write CSS code for inserting a background image to a red-colored text. Also add padding and margin at appropriate places.

CODE:

```
<html>
  <head>
    <link rel="stylesheet" href="style.css">
  </head>
  <body>
    <div class="text">
      <p>Hello World</p>
      
      <div class="jmes">
        <p>Jeon Jungkook</p>
      </div>
    </div>
  </body>
</html>
```

OUTPUT:



Q5. Write CSS code to show following types of positioning on a red-colored text:

- Relative
- Absolute
- Fixed
- Sticky

CODE :

```
<html>

<head>
  <style>
    body{
      margin:0px;
      padding:10px;
    }
    .fixed{
      position: fixed;
      color:red;
    }
    .sticky{
      position:sticky;
      color:red;
    }
    .relative{
      position:relative;
      color:red;
    }
    .absolute{
      position:absolute;
      color:red;
    }
    pre{
      padding: 0px 45px;
    }
  </style>
</head>
<body>
  <div class="fixed">
    <h1>Fixed Text</h1>
  </div>

  <pre>                                Lorem ipsum, dolor sit amet consectetur
adipisicing elit. Non fugit, voluptatem labore aspernatur rem
```

```
        animi eaque odit quod dolores quibusdam porro facere cumque  
pariatur minima fugiat quasi commodi  
        eos est  
        voluptate similique excepturi dolorem deleniti numquam  
cupiditate? Voluptates libero fuga quis sit  
        , vel,  
        Lorem ipsum dolor sit amet consectetur adipisicing elit.  
Necessitatibus a, distinctio ipsam  
        voluptatem dolorem rerum!  
        Ratione fugiat itaque incidunt magnam.
```

```
</pre>  
<div class="absolute">  
    <h1>Absolute Text</h1>  
</div>
```

```
<pre>                iste doloremque qui id quod labore sequi non  
est beatae similique quaerat minima. Magnam sapiente  
                nesciunt explicabo. Commodi doloribus maiores,  
aspernatur doloremque ea dolor tempora. Eaque delectus  
                necessitatibus doloribus facilis corrupti impedit  
laborum quae animi cum, numquam facere quia, eos  
                rerum! Tempora vero eligendi excepturi ut totam  
inventore consectetur saepe, iste quasi illo  
                repellendus, rerum architecto earum explicabo, libero  
consequuntur! Necessitatibus placeat ipsam,  
                quis
```

```
</pre>  
<div class="relative">  
    <h1>Relative Text</h1>  
</div>
```

```
<pre>                explicabo voluptate expedita dolorum incidunt velit  
recusandae minus nulla itaque, mollitia rerum  
                voluptatem nam voluptas eligendi ex iste minima error  
reiciendis quos praesentium sint corporis.  
                Veniam  
                perspiciatis voluptate architecto ipsum cumque quam aut  
debitis dolore praesentium tempora, maxime  
                ipsam  
                laborum quaerat est nostrum incidunt explicabo facere,  
obcaecati quod iusto, quo laboriosam. Dolorum  
                laudantium atque voluptatibus perferendis veritatis blanditiis  
reiciendis quia temporibus quibusdam  
                libero, quam culpa facere id ipsa sit rerum obcaecati  
repudiandae assumenda, iusto a dignissimos  
                ipsum?
```

```
</pre>  
<div class="sticky">  
    <h1>Sticy Text</h1>  
</div>
```

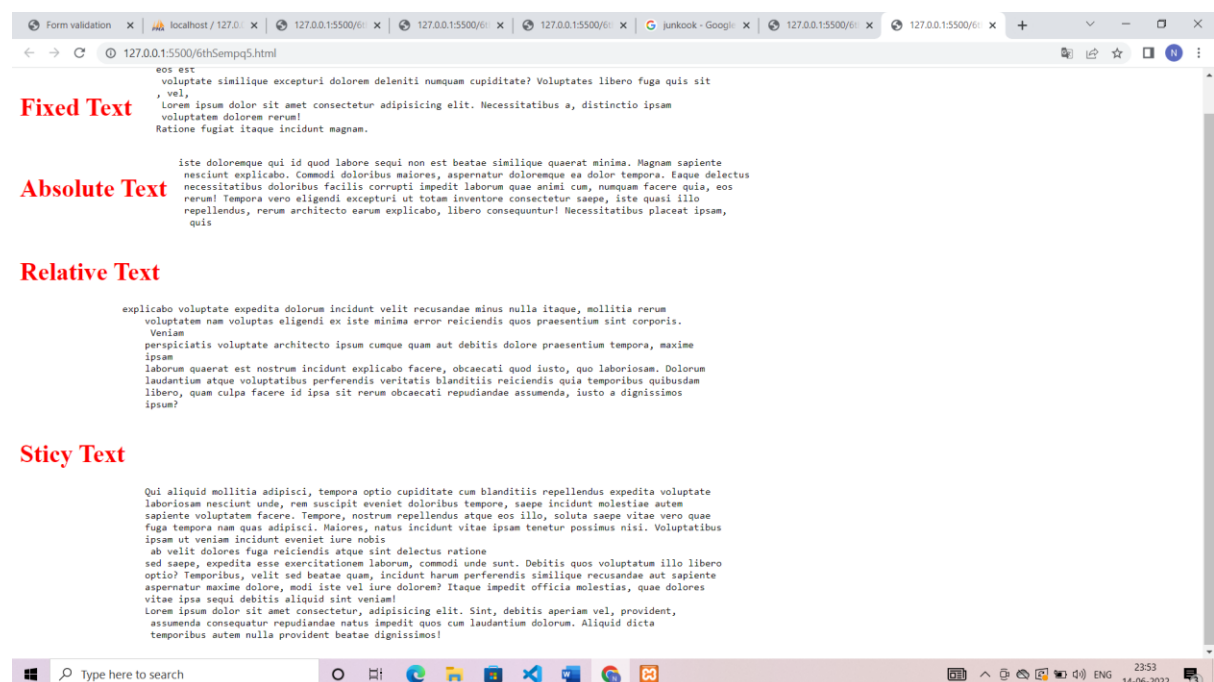
```

<pre>
    Qui aliquid mollitia adipisci, tempora optio cupiditate cum
blanditiis repellendus expedita voluptate
    laboriosam nesciunt unde, rem suscipit eveniet doloribus
tempore, saepe incidunt molestiae autem
    sapiente voluptatem facere. Tempore, nostrum repellendus atque
eos illo, soluta saepe vitae vero quae
    fuga tempora nam quas adipisci. Maiores, natus incidunt vitae
ipsam tenetur possumus nisi. Voluptatibus
    ipsam ut veniam incidunt eveniet iure nobis
    ab velit dolores fuga reiciendis atque sint delectus ratione
    sed saepe, expedita esse exercitationem laborum, commodi unde
sunt. Debitis quos voluptatum illo libero
    optio? Temporibus, velit sed beatae quam, incidunt harum
perferendis similique recusandae aut sapiente
    aspernatur maxime dolore, modi iste vel iure dolorem? Itaque
impedit officia molestias, quae dolores
    vitae ipsa sequi debitis aliquid sint veniam!
    Lorem ipsum dolor sit amet consectetur, adipisicing elit.
Sint, debitis aperiam vel, provident,
    assumenda consequatur repudiandae natus impedit quos cum
laudantium dolorum. Aliquid dicta
    temporibus autem nulla provident beatae dignissimos!

</pre>
</body>
</html>

```

OUTPUT:



Q6. Write CSS code to show different fonts in different size and colors. Also show how to use Google fonts in your HTML webpage.

CODE:

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="preconnect" href="https://fonts.googleapis.com">
  <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
  <link
href="https://fonts.googleapis.com/css2?family=Kdam+Thmor+Pro&display=swap"
rel="stylesheet">
  <style>
    .font1 {
      font-family: 'Franklin Gothic Medium', 'Arial Narrow', Arial,
sans-serif;
      font-weight: bold;
      font-size: 30px;
    }

    .font2 {
      font-family: 'Times New Roman', Times, serif;
      font-size: 40px;
      font-style: italic;
    }

    .font3 {
      font-family: Verdana, Geneva, Tahoma, sans-serif;
      font-weight: 200;
    }
    .font4{
      font-family:Kdam Thmor Pro;
      line-height:2em;
      font-size: 50px;;
    }
  </style>
</head>

<body>
  <div class="font1">
    <p>Lorem, ipsum dolor sit amet consectetur adipisicing elit. Voluptas,
doloribus.</p>
  </div>
```

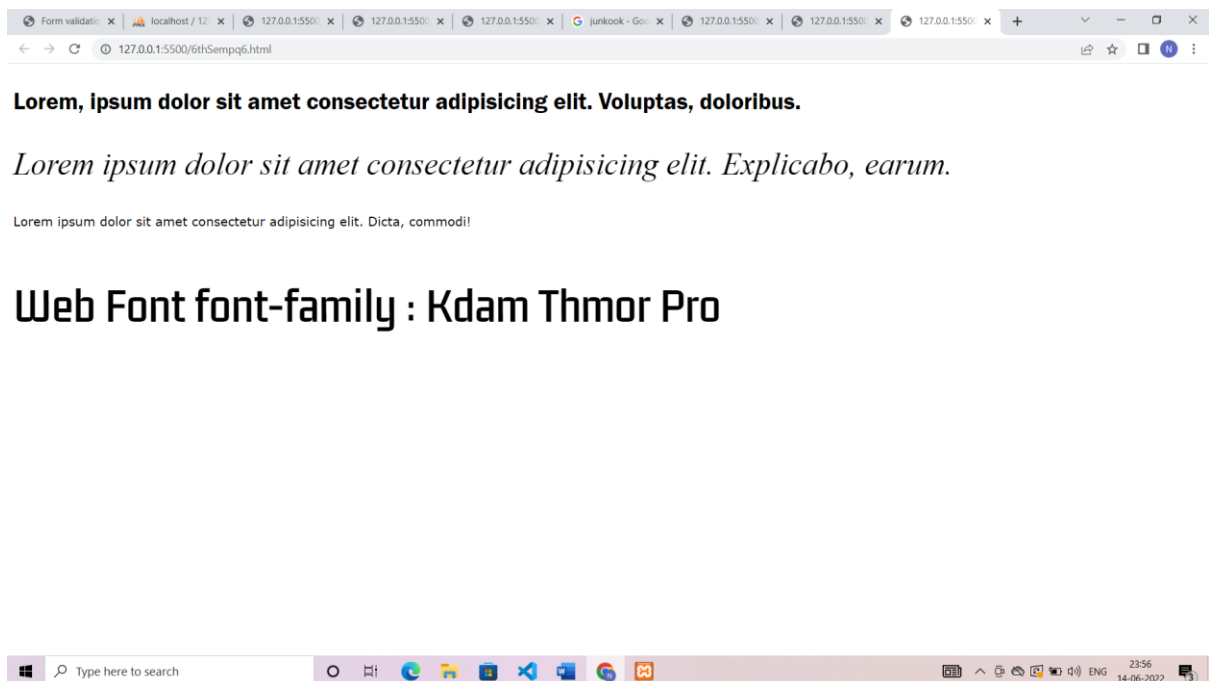
```

    <div class="font2">
      <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Explicabo,
earum.</p>
    </div>
    <div class="font3">
      <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Dicta,
commodi!</p>
    </div>
    <div class="font4">
      <p> Web Font font-family : Kdam Thmor Pro </p>
    </div>
  </body>

</html>

```

OUTPUT:



Q7.Create an HTML form consisting of name (textbox) and gender (radio button) and apply validation on it using Javascript.

CODE:

```
<!DOCTYPE html>
<html lang="en">

<head>
  <head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Form validation</title>
    <script>
      function validate() {
        document.getElementById("u").style.visibility = "hidden";
        document.getElementById("gm").style.visibility="hidden";
        if (document.getElementById("unm").value == "") {
          document.getElementById("u").style.visibility = "visible";
          document.getElementById("unm").focus();
          return false;
        }
        var fe = document.forms.gen;
        for (i = 0; i < fe.length; i++) {
          if (fe[i].checked == true)
            return true;
        }
        document.getElementById("gm").style.visibility="visible";
        return false;
      }
    </script>
    <style>
      form {
        background-color: aqua;
        margin: 5% 40%;
        height: 30%;
        width: 20%;
        border-radius: 10px;
        padding: 10px;
      }
    </style>
  </head>

  <body><div>
    <form action="" name="forms">
      <div>
```

```

        username: <input type="text" id="unm" placeholder="name">
        <div id="u" style="color:red; visibility:hidden;">enter user
name</div>
    </div>

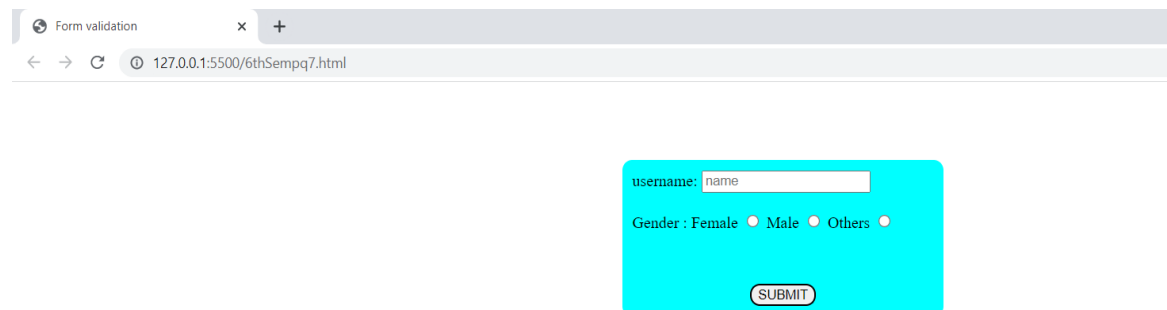
    <div>
        Gender : Female <input type="radio" name="gen" >
                Male <input type="radio" name="gen">
                Others <input type="radio" name="gen" >
        <div> <p id="gm" style="color:red; visibility:hidden;">select
one option</p></div>

    </div>

    <div class="btn">
        <center><input type="submit" value="SUBMIT" style="border-
radius: 10px;" onclick="return validate()">
        </center>
    </div>
</form>
</div>
</body></html>

```

OUTPUT:



Q8.Insert a button in an HTML page and then using DOM, create and insert an h1 heading in the page on click of that button.

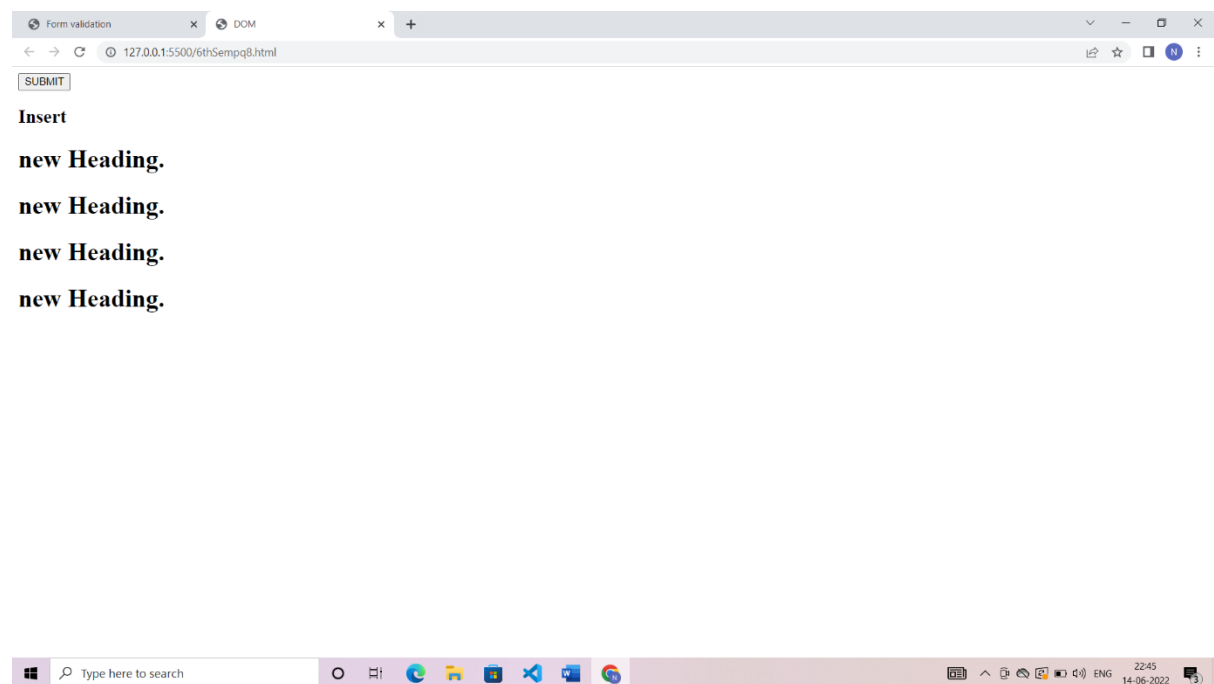
CODE:

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>DOM</title>
  <script>
    function myFunction() {
      const ins = document.getElementById("dom");
      let html = "<h1>new Heading.</h1>";
      ins.insertAdjacentHTML("afterend", html);
    }
  </script>
</head>

<body>
  <button onclick="myFunction()">SUBMIT</button>
  <h2 id="dom">Insert</h2>
</body>
</html>
```

OUTPUT:



Q9. Write PHP code to accept form data from user and insert it in the database.

CODE:

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>FORM</title>
  <style>
    body {
      font-size: 16px;
      background: #f9f9f9;
      font-family: "Segoe UI", "Helvetica Neue", Arial, sans-serif;
    }

    h2 {
      text-align: center;
      text-decoration: underline;
    }

    form {
      width: 300px;
      background: #fff;
      padding: 15px 40px 40px;
      border: 1px solid #ccc;
      margin: 150px auto 0;
      border-radius: 5px;
    }

    input,
    select {
      border: 1px solid #ccc;
      padding: 10px;
      display: block;
      width: 100%;
      box-sizing: border-box;
      border-radius: 6px;
    }

    #btn {
      font-size: 110%;
      font-weight: 100;
      background: #006dcc;
      border-color: black;
```

```

        border-radius: 6px;
        color: #fff;
        margin-top: 10px;
    }
</style>
</head>

<body>
    <?php
if($_SERVER['REQUEST_METHOD']=='POST'){
    $name = $_POST['name'];
    $email = $_POST['email'];

    $servername = "localhost";
    $username = "root";
    $password = "";
    $database = "newdb";

    $conn = mysqli_connect($servername, $username, $password, $database);

    if (!$conn) {
        die("The Server was connect successfully".mysqli_connect_error());
    }
    else {

        $sql = "INSERT INTO `user`(`NAME`, `EMAIL`) VALUES ('$name', '$email')";
        $result = mysqli_query($conn, $sql);

        if ($result) {
            echo '<div>
                <strong>Success!</strong> Your form was submitted successfully.
            </div>';
        }
        else {
            echo '<div>
                <strong>Error!</strong> Your form was not submitted successfully.
            </div>';
        }
    }
}
?>

<form class="container" method="post">
    <h1>Fill The Form!</h1>
    <div class="form-group">
        <label for="Name">Enter Your Name</label>
        <input type="Name" name="name" class="form" id="Name">
    </div>

```

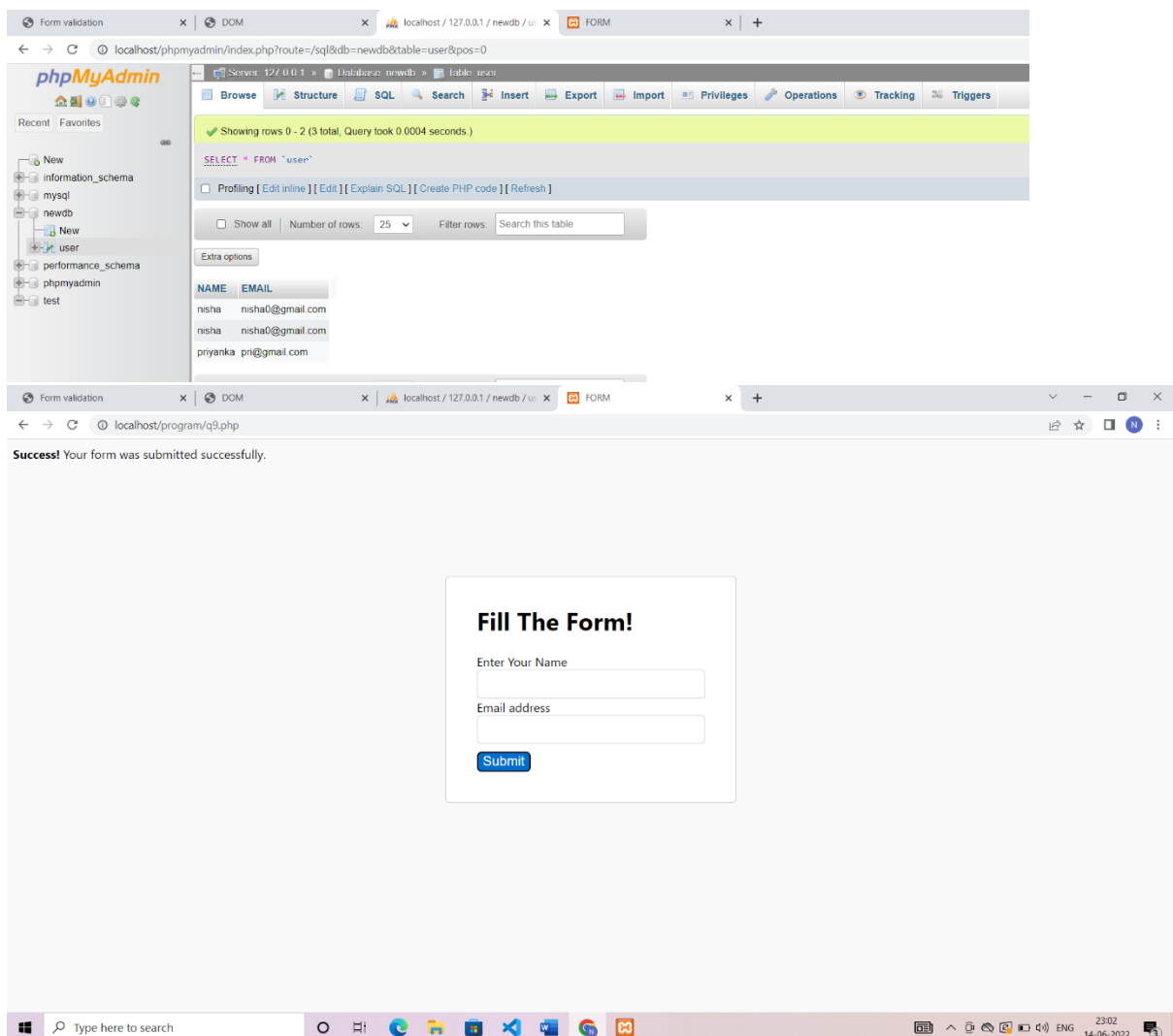
```

<div class="form-group">
    <label for="Email">Email address</label>
    <input type="email" name="email" class="form" id="Email">
</div>
<button type="submit" class="btn" id="btn">Submit</button>
</form>
</body>

</html>

```

OUTPUT:



Q10. Write PHP code to print all the rows from the database.

CODE:

```
<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "newdb";

$conn = mysqli_connect($servername, $username, $password, $dbname);
if ($conn) {
    echo "The server was connected successfully<br>";
} else {
    echo "The server was not connected successfully".mysqli_connect_error();
}

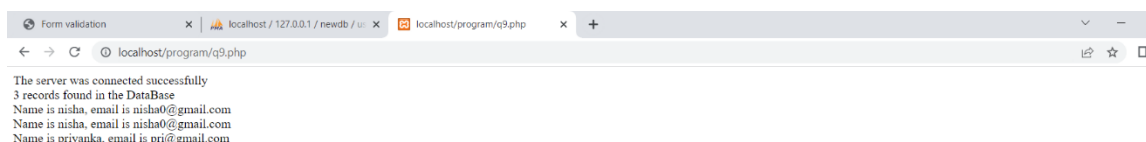
$sql = "SELECT * FROM `user`";
$result = mysqli_query($conn, $sql);

$num = mysqli_num_rows($result);
echo $num;
echo " records found in the DataBase<br>";

if ($num>0) {
    while ($row = mysqli_fetch_assoc($result)) {
        echo " Name is " . $row['NAME'] . ", email is " . $row['EMAIL'];
        echo "<br>";
    }
}

?>
```

OUTPUT:



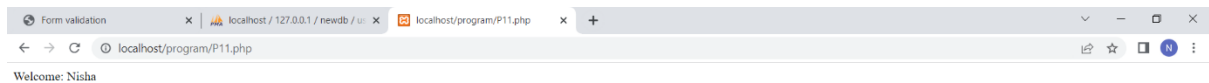
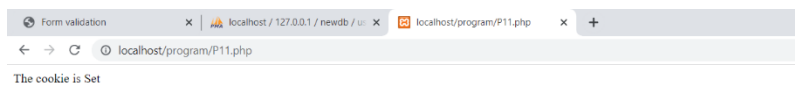
Q11. Write PHP code to set a “**name**” cookie on a client’s request and then print “**Welcome:**” followed by name on next request.

CODE:

```
<?php
setcookie("Name", "Nisha");
echo "The cookie is Set";
?>
```

```
<?php
$name = $_COOKIE['Name'];
echo "Welcome: $name";
?>
```

OUTPUT:



Q12. Write JQuery code to make an Ajax call to a URL and print the data received. Print error in case the call was not successful.

CODE

Q12Index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Document</title>
  <script
src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.6.0/jquery.js"
integrity="sha512-
n/4gHW3atM3QqRcbCn6ewmpxcLAHGaDjpEBU4xZd47N0W2oQ+6q7oc3PXstrJYXcbNU10HdQ1T7pAP
+gi5Yu8g==" crossorigin="anonymous" referrerpolicy="no-referrer"></script>
</head>
<body>

  <button id="action-button">Click me to load info!</button>
  <div id="info"></div>

  <script type="text/javascript" src="Q12Script.js"></script>
</body>
</html>
```

Q12Script.js

```
$('#action-button').click(function() {
  $.ajax({
    url: 'https://api.joind.in/v2.1/talks/10889',
    error: function() {
      $('#info').html('<p>An error has occurred</p>');
    },
    success: function(data) {
      var $title = $('<h1>').text(data.talks[0].talk_title);
      var $description = $('<p>').text(data.talks[0].talk_description);
      $('#info')
        .append($title)
        .append($description);
    },
    type: 'GET'
  });
});
```

OUTPUT:

