

Exercise 1

Question 1

Aim: Create a web page having 9 images arranged in 3*3 matrixes. When a user clicks on any image, it should open in a new tab.

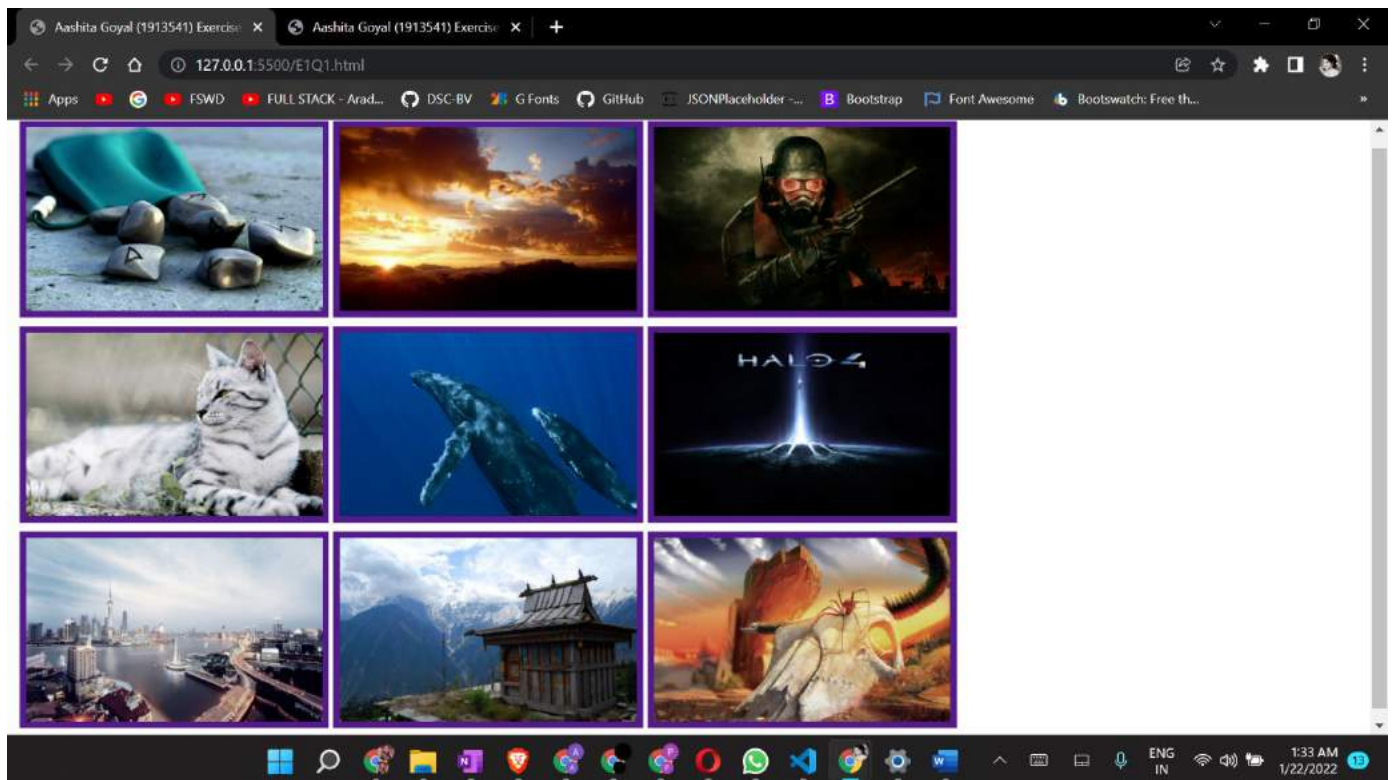
Code:

Images.html

```
<!DOCTYPE html>
<html>
  <head>
    <title>Aashita Goyal (1913541) Exercise Q1</title>
  </head>
  <body>
    <table>
      <tr>
        <td><a href="images/1.jpg" target = _blank ></a></td>
        <td><a href="images/3.jpg" target = _blank ></a></td>
        <td><a href="images/5.jpg" target = _blank ></a></td>
      </tr>
      <tr>
        <td><a href="images/7.jpg" target = _blank ></a></td>
        <td><a href="images/9.jpg" target = _blank ></a></td>
        <td><a href="images/11.jpg" target = _blank ></a></td>
      </tr>
      <tr>
        <td><a href="images/13.jpg" target = _blank ></a></td>
        <td><a href="images/15.jpg" target = _blank ></a></td>
```

```
<td><a href="images/17.jpg" target = _blank ></a></td>  
</tr>  
</table>  
</body>  
</html>
```

Output:



Question 2

Aim: Create a web page that displays image thumbnails of 4 images. Also arrange all these images in one after another in same webpage covering 100% width of webpage. When a user clicks on thumbnail it should display corresponding image to user. (You have to create only one page).

Code:

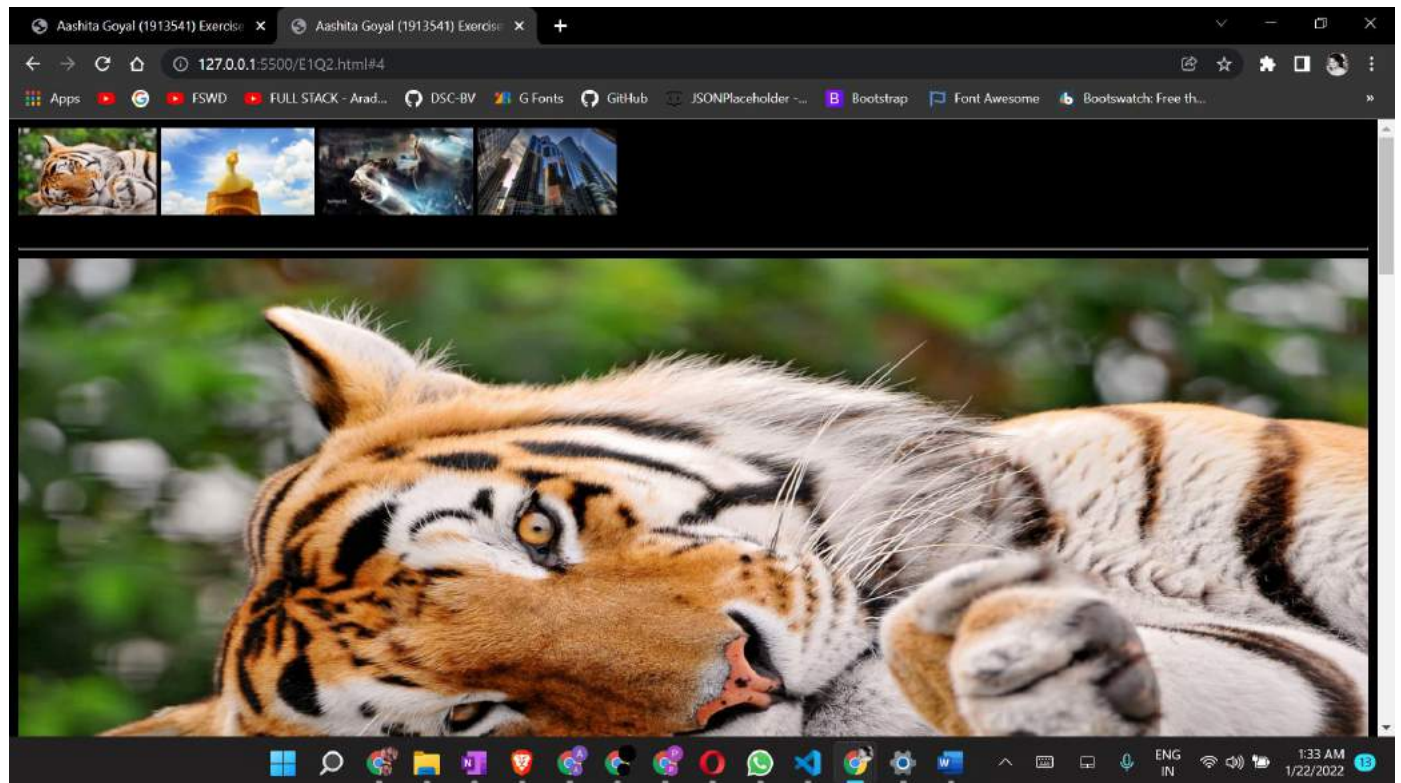
Thumbnails.html

```
<!DOCTYPE html>
<html>
  <head>
    <title>Aashita Goyal (1913541) Exercise Q2</title>
  </head>
  <body bgcolor="black" >

    <a href="#2"><img src = "images/2.jpg" alt= "Image 2" height="80" ></a>
    <a href="#4"><img src = "images/4.jpg" alt= "Image 4" height="80" ></a>
    <a href="#6"><img src = "images/6.jpg" alt= "Image 6" height="80" ></a>
    <a href="#8"><img src = "images/8.jpg" alt= "Image 8" height="80"
  ></a>

    <br><br><hr>
    <img id="2" src = "images/2.jpg" alt= "Image 2" height=550 width=100% >
    <hr>
    <img id="4" src = "images/4.jpg" alt= "Image 4" height=550 width=100% >
    <hr>
    <img id="6" src = "images/6.jpg" alt= "Image 6" height=550 width=100% >
    <hr>
    <img id="8" src = "images/8.jpg" alt= "Image 8" height=550 width=100% >
    <hr>
  </body>
</html>
```

Output:



Exercise 2

Question 3

Aim: Create a user feedback page which asks questions about a software product. You are required to use checkbox, radio buttons, and drop-down, text area and various text input type for this. Structure the web page using HTML table.

Code:

Feedback.html

```
<!DOCTYPE html>
<html>
  <head>
    <title> Feedback form</title>
  </head>

  <body bgcolor="black">
    <table border=0 bgcolor="#e3dede" align="center">
      <form method = "post" action = "forms.html">
        <h3 align="center"><b><font color="white">Software feedback
form</font></b></h3>
        <tr>
          <td>
            <label> Name </label>
          </td>
          <td>
            <input type = "text" name = "Name" size=54
placeholder="Enter Your Name here" />
          </td>
        </tr>

        <tr>
          <td>
            <label> Email </label>
          </td>
          <td>
            <input type = "text" name = "email" size=54
placeholder="Enter Your Email here" />
          </td>
        </tr>
      </form>
    </table>
  </body>
</html>
```

```

        <tr>
            <td>
                <label> Gender </label>
            </td>
            <td>
                <input type = "radio" name = "gender" value ="male"
/><label> Male </label>
                <input type = "radio" name = "gender" value ="female"
/><label> Female </label>
            </td>
        </tr>

        <tr>
            <td>
                <label> What do you do? </label>
            </td>
            <td>
                <select name = "class">
                    <option value = "Professional"> Student </option>
                    <option value = "Student"> Working Professional
</option>
                </select>
            </td>
        </tr>

        <tr>
            <td>
                <label> How satisfied were<br> you with our product?
</label>
            </td>
            <td>
                <label for=min id=min> 0 </label>
                <input type=range name="scale" min=0 max=10 />

                <label for=max> 10</label>
            </td>
        </tr>

        <tr>
            <td>
                <label> Remarks </label>
            </td>
            <td>

```

```

        <textarea name = "comment" rows=5 cols=50 placeholder="Remarks" ></textarea>
        </td>
    </tr>

    <tr>
        <td>
            <label> How would you like<br> to receive updates?
</label>

        </td>
        <td>
            <input type="checkbox" id="email" name="email">
            <label for="email"> Through Email</label><br>
            <input type="checkbox" id="phone" name="phone">
            <label for="phone"> Through Phone Number</label>
        </td>
    </tr>

    <br>

    <tr>
        <td colspan=2 align="center">
            <input type = "reset" name = "reset" value= "reset" />
            <input type = "submit" name = "submit" value = "submit"
/><br>

        </td>
    </tr>
</form>
</table>

</body>

</html>

```

Code:

Software feedback form

Name: Enter Your Name here

Email: Enter Your Email here

Gender: ☐ Male ☐ Female

What do you do?: Student

How satisfied were you with our product?: 0 10

Remarks

How would you like to receive updates? ☐ Through Email ☐ Through Phone Number

reset submit

Question 4

Aim: Create a home page for personal website with 4 sections Header, Navigation bar (menu bar), content and footer section. It should have a menu bar for “Bio-Data, Contact, Photo, Video, Notes etc.” For each menu option create a separate web page and link with home page. Structure the web page using HTML table.

Code:

Home.html

```
<html>
  <head>
    <title>Home Page</title>
  </head>

  <body bgcolor = "black" text="white">
```



```

<header>
<table cellpadding = "8" >
<tr colspan = 2>
    <nav position = "fixed" top = 0 >
        <td rowspan = 2><a href =
"BioData.html"><b>PersonalDetails</b></a></td>
        <td rowspan = 2><a href = "contact.html"><b>Contact</b></a></td>
        <td rowspan = 2><a href = "videos.html"><b>Videos</b></a></td>
        <td rowspan = 2><a href = "photos.html"><b>Photos</b></a></td>
        <td rowspan = 2><a href = "notes.html"><b>Notes</b></a></td>
    </nav>
</tr>
</table>
</header>

<div style = "font-size:18px">
<p>Hello, I am Aashita Goyal</p>
<p>This is my Introduction page with my basic details, Bio Data, Contact
Details, some videos, some photos and some notes.</p>
<p>In the personal details, I shared all the details you need to know about
me.</p>
<p>In contact section, I have provided all possible contact details.</p>
<p>Videos section contains some fun videos :)</p>
<p>In the image section, I have shown some beautiful scenic pictures.</p>
<p>In the notes section, I have listed some of my basic understanding of web
development.</p>
</div>

</body>

</html>

```

BioData.html

```

<html>
<head>
    <title>Personal Details</title>
</head>
<body>
    <header align = "centre">

```

```
<h1>Basic Information</h1>
<header>

<hr>
<table width = "800" border = "0" align = "centre" cellpadding = "5"
style=font-size:20px >
  <tr>
    <td align = "right" font-size = 10px><b><label>Name : </label></b></td>
    <b><td >Aashita Goyal<td></b>
  </tr>
  <tr>
    <td align = "right"><b><label>Gender : </label></b></td>
    <b><td >Female<td></b>
  </tr>
  <tr>
    <td align = "right"><b><label>D.O.B : </label></b></td>
    <b><td >10 June 2001<td></b>
  </tr>

  <tr>
    <td align = "right"><b><label>Father's Name : </label></b></td>
    <b><td >Sumeet Goyal<td></b>
  </tr>
  <tr>
    <td align = "right"><b><label>Mother's Name : </label></b></td>
    <b><td >Rekha Goyal<td></b>
  </tr>

  <tr>
    <td align = "right"><b><label>Religion : </label></b></td>
    <b><td >Hindu<td></b>
  </tr>

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

contact.html

```
<html>
<head>
  <title>Contact</title>
</head>
<body>
  <header align = "centre">
    <b><h1>Contact Details</h1></b>
  <header>
    <hr>
  <body>
    <table width = "800" cellpadding = "5" align = "centre" style=font-size:20px>

      <tr>
        <td align = "right" valign = "top"><b><label>Address : </label></b></td>
        <td>Sector 10<br>R K Puram<br>New Delhi<td>
      </tr>

      <tr>
        <td align = "right" valign = "top"><b><label>Phone no. : </label></b></td>
        <td>(+91)9464908884<br>(+91)9958379725<td>
      </tr>

      <tr>
        <td align = "right"><b><label>Email Address : </label></b></td>
        <td>aashitagoyal99@gmail.com<td>
      </tr>

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

photos.html

```
<!DOCTYPE html>
<html>
<head>
  <title>Beautiful sights</title>
</head>
<body>
<header>
```

```

<h1>Beautiful sights</h1>
<hr>
</header>
  <TABLE>
    <tr>
      <img src = "8.jpg" alt = "beautiful pic" width = "1000px">
    </tr>

    <tr align = "right">
      <img src = "9.jpg" alt = "beautiful pic" width = "1000px">
    </tr>

    <tr>
      <img src = "10.jpg" alt = "beautiful pic" width = "1000px">
    </tr>

  </TABLE>
</body>
</html>

```

videos.html

```

<!DOCTYPE html>
<html>
<head>
  <title>Videos Page</title>
</head>
<body>
  <header>
    <h1>Videos</h1>

    <header>
      <table align = "centre">

        <tr >
          <video height = 400 width = 800 controls>
            <source src = "first.mp4" type = "video/mp4">
            Browse doesn't support this video
          </video>
        </tr>

      <br>

```

```

<tr>
  <video height = 400 width = 800 controls>
    <source src = "second.mp4" type = "video/mp4">
    Browse doesn't support this video
  </video>
</tr>
<br>
</table>
</body>
</html>

```

notes.html

```

<!DOCTYPE html>
<html>
<head>
  <title>Notes</title>
</head>
<body>
  <header align = "centre">
    <h1>Notes</h1>
  </header>
<p>DNS - Domain Name System
  Browser sends url text to DNS server
  DNS server converts the text into IP address
  This IP address is understood by the computer (application server) and the
specific browser window is opened
  The url text is entered by the user i.e. us</p>

<br>
<p>HTTPS - Hyper Text Transfer Protocol Secure
  Protocol - is an instruction. It instructs the specific HTML, CSS and
JavaScript files that need to be accessed for the particular browser window

  Domain - is a unique identification or a license, provided to an application.
It is bought.

  Sub Domain - is like a child of the main domain. It can be bought separately,
or connected with the main domain

  Top Level Domain (TLD) is one of the categories that DNS uses to securely
arrange the websites available in that domain
.com .in .co are all TLD

```

Path defines the HTML file address

Anchor is used to display a particular content in HTML file

Instead of reading the HTML file from beginning, anchor helps us access the part of the file that we want to.

Web development - Planning, Deployment and uploading it on cloud is known as web development

Static - The content of websites should not change

Dynamic - The contents of websites change in dynamic

How does the server read our HTML files?

When a browser requests a server, the server responds with the HTML, CSS and JavaScript files required.

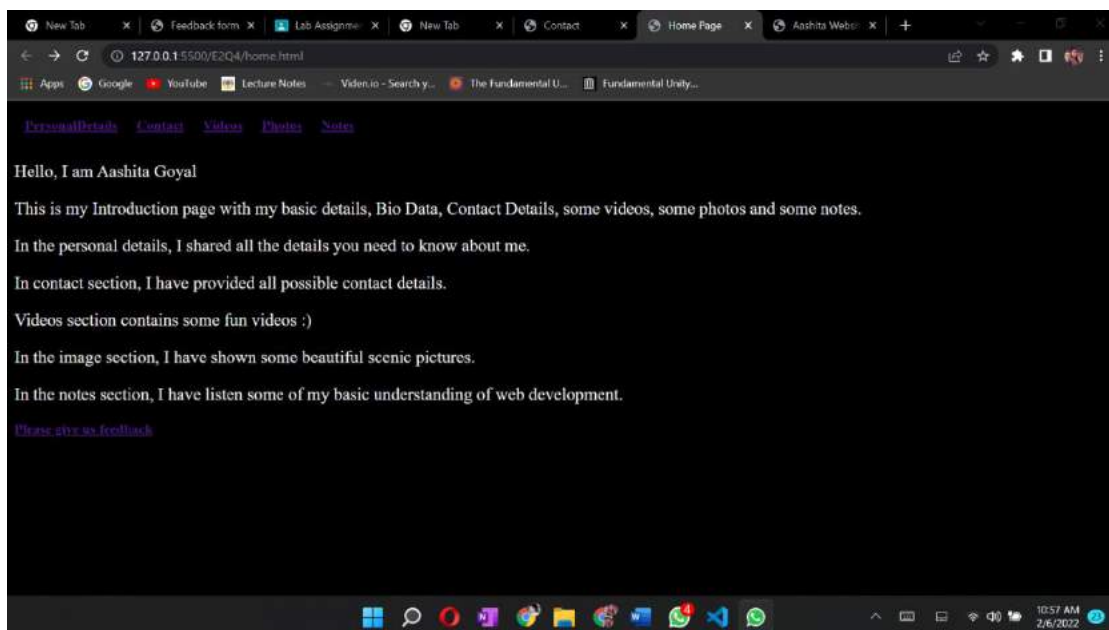
1. DOM - Document Object Model. It is hierarchical.

It is not written one below the other. It is written in an hierarchical manner so that all parent and child tags can be accessed.

2. CSSOM - Cascading Style Sheet Object Model. (similar to DOM, but this is for CSS where DOM is for HTML)

Render Tree - Combined DOM and CSSOM is known as render tree. It is responsible for showing our websites in our browser

Output:



Exercise 3

Question 5

Aim: Write an external style sheet to format the Internet.html document as attached to apply following effects: -

1. Put a background color and image with gradient overlay.
2. Make h1 heading 30px, bolder, use color according to your background.
3. Paragraphs should have font size 15px and choose color according to background.
4. Increase line spacing in paragraph text.
5. Highlight important words and use styling for that.
6. Make h2 heading 20px and choose color according to background.

Code:

Internet.html

```
<!DOCTYPE html>
<html>
  <head>
    <title>Aashita Goyal (1913541) Exercise3-Q5</title>
    <link rel="stylesheet" href="Internet.css" />
  </head>

  <body>
    <div class="heading1"><h1>&nbsp;&nbsp;&nbsp;INTERNET</h1></div>
    <br />
    <div class="para">
      <p>
        The
        <strong><u>Internet</u></strong>
        , sometimes called simply "
        <strong><u>the Net</u></strong>
        ," is a worldwide system of computer networks -- a network of networks
        in which users at any one computer can, if they have permission, get
        information from any other computer (and sometimes talk directly to
        users at other computers). It was conceived by the Advanced Research
        Projects Agency (ARPA) of the U.S. government in 1969 and was first
        known as the
        <strong><u>ARPANet</u></strong>
      </p>
    </div>
  </body>
</html>
```

. The original aim was to create a network that would allow users of a research computer at one university to "talk to" research computers at other universities. A side benefit of ARPANet's design was that, because messages could be routed or rerouted in more than one direction, the network could continue to function even if parts of it were destroyed in the event of a military attack or other disaster.

</p>

<p>

 Today, the Internet is a public, cooperative and self-sustaining facility accessible to hundreds of millions of people worldwide. It is used by many as the primary source of information consumption, and fueled the creation and growth of its own social ecosystem through social media and content sharing. Furthermore, e-commerce, or online shopping, has become one of the largest uses of the Internet.

</p>

</div>

<div class="heading2"><h2> How the Internet works</h2></div>

<div class="para">

<p>

Physically, the Internet uses a portion of the total resources of the currently existing public telecommunication networks. Technically, what distinguishes the Internet is its use of a set of protocols called Transmission Control Protocol/Internet Protocol (TCP/IP). Two recent adaptations of Internet technology, the intranet and the extranet, also make use of the

<u>TCP/IP</u>
protocol.

</p>

<p>

 The Internet can be seen as having two major components: network protocols and hardware. The protocols, such as the TCP/IP suite, present sets of rules that devices must follow in order to complete tasks. Without this common collection of rules, machines would not be able to communicate.

</p>


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

Internet.css

```
* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
}

body {
  background-image: linear-gradient(
    to bottom,
    rgba(33, 159, 148, 0.52),
    rgba(232, 232, 166, 0.73)
  ),
  url('../images/img1.jpg');
  width: 80%;
  height: 400px;
  background-size: cover;
  color: white;
  padding: 20px;
}

h1 {
  font-size: 30px;
  font-style: bolder;
  font-weight: bolder;
  color: #19765d;
  font-family: 'Franklin Gothic Medium', 'Arial Narrow', Arial, sans-serif;
}

p {
  font-size: 15px;
  font-weight: 500;
  font-family: 'Lucida Sans', 'Lucida Sans Regular', 'Lucida Grande',
  'Lucida Sans Unicode', Geneva, Verdana, sans-serif;
}
```

```
}

h2 {
  font-size: 20px;
  /* color: #646E21; */
  color: #e5fd46;
  font-weight: bolder;
  font-family: 'Franklin Gothic Medium', 'Arial Narrow', Arial, sans-serif;
}

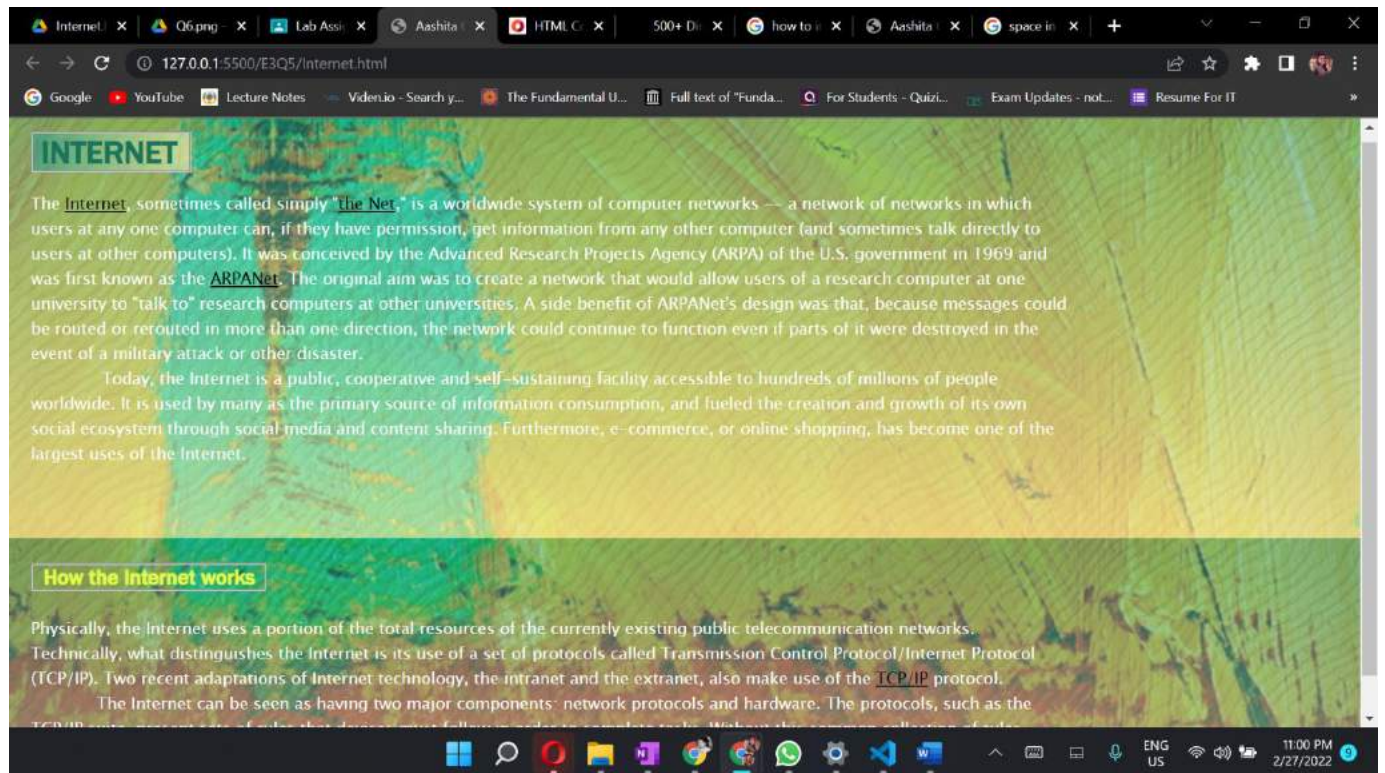
strong {
  color: black;
  font-weight: 500;
}

.heading1 {
  border-style: groove;
  width: 150px;
  background-image: linear-gradient(
    to right,
    rgba(33, 159, 148, 0.52),
    rgba(232, 232, 166, 0.73)
  );
}

.heading2 {
  border-style: groove;
  box-shadow: #19765d;
  width: 220px;
}

.para {
  border-color: black;
  border-width: 10px;
}
```

Output:



Question 6

Aim: Create a webpage that displays your favorite quotations in a web page just above images.

You have to use border, height, width, margin, padding, outline properties of CSS.
Also use text and font properties to add effects in text to display quotations.

Code:

Quotes.html

```
<!DOCTYPE html>
<html>
  <head>
    <title>Aashita Goyal (1913541) Exercise3-Q6</title>
    <link rel="stylesheet" href="Quotes.css">
  </head>

  <body>
    <section class="quote__container">
      <div><h1 class="quote__text">Quotes</h1></div>

      <div class="quote__images__container">
        <div class="quote__images__row__one">
          <br>
          <div class="quote__image__1">

            <div class="quote__1">
              <br>
              <div class="quote__first">
                <br>
                <p>
                  Your last choice <br>
                  is God's first.
                </p>
              </div>
            </div>
          </div>

          <div class="quote__image__2">
            <div class="quote__2">
```

```
<div class="quote__second">  
    <p>  
        Success is the sum of  
        small efforts,<br>  
        Repeated day in and  
        day out  
    </p>  
</div>  
</div>  
</div>  
<div class="quote__images__row_two">  
    <div class="quote__image_3">  
        <br><br>  
        <div class="quote__3">  
            <div class="quote__third">  
                <p>  
                    Whether you think you <br>  
                    can, or think you can't <br>  
                    you are always right  
                </p>  
            </div>  
        </div>  
    </div>  
<div class="quote__image_4">  
        <div class="quote__4">  
            <div class="quote__fourth">  
                <p>  
                    The only constant <br>  
                    is change  
                </p>  
            </div>  
        </div>  
    </div>  
</div>  
</div>  
</section>  
<br><br><br>  
</body>  
</html>
```

Quotes.css

```
body{
  background-image:
    linear-gradient(to right, rgba(34, 34, 53, 0), rgba(220, 202, 45, 0.92)),
    url('../images/bgs/black_paper.png');
}

.quote__container{
  width: 100%;
  padding: 50px 0;
  display: flex;
}

.quote__text{
  padding: 12px 0;
  font-family: 'Source Sans Pro', sans-serif;
  font-size: 53px;
  padding-left: 40px;
}

.quote__images__container{
  width: 65%;
  padding-left: 300px;
}

.quote__images__row__one,
.quote__images__row__two{
  width: 100%;
  display: flex;
  gap: 3px;
}

.quote__images__row__one{
  align-items: baseline;
  margin-bottom: 3px;
}

.quote__image__1,
```

```
.quote__image__4{
  width: 150%;
  height: 190px;
}

.quote__image__2,
.quote__image__3{
  width: 170%;
  height: 230px;
}

.quote__1,
.quote__2,
.quote__3,
.quote__4{
  width: 100%;
  height: 100%;
}

.quote__1{
  background-image: url('../images/img9.jpg');
  border-radius: 10px;
  border-style: double;
  border-width: 10px;
  /* position: absolute;
  height: 180px;
  width: 377px;
  top: 30;
  bottom: 40;*/
}

.quote__2{
  background-image: url('../images/img10.jpg');
  padding-bottom: 0;
  border-radius: 10px;
  border-style: double;
  border-width: 10px;
  margin-left: 20px;
}

.quote__3{
  background-image: url('../images/img22.jpg');
  border-radius: 10px;
  border-style: double;
```

```
        border-width: 10px;
    }

    .quote__4{
        background-image: url('../images/img30.jpg');
        border-radius: 10px;
        border-style: double;
        border-width: 10px;
        margin-left: 20px;
    }

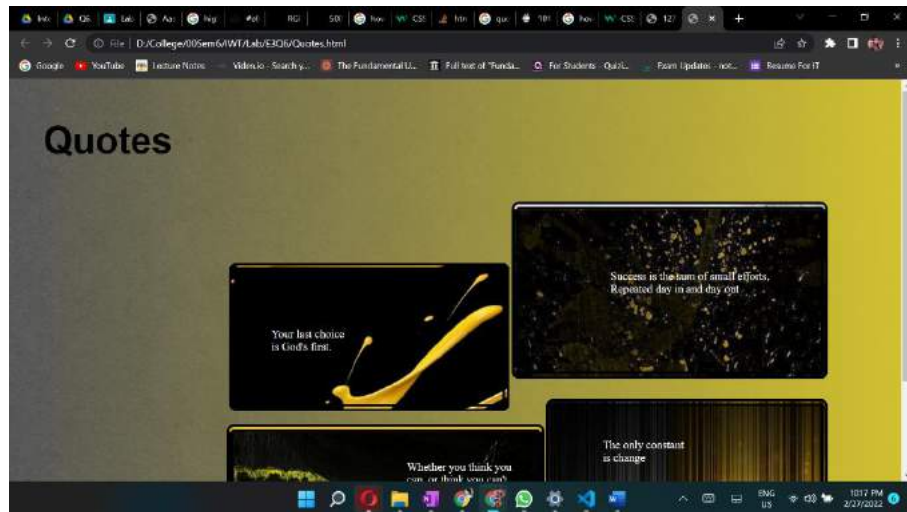
    .quote__first{
        color: white;
        padding-top: 30px;
        padding-left: 50px;
    }

    .quote__second{
        color: white;
        padding-left: 130px;
        padding-top: 70px;
    }

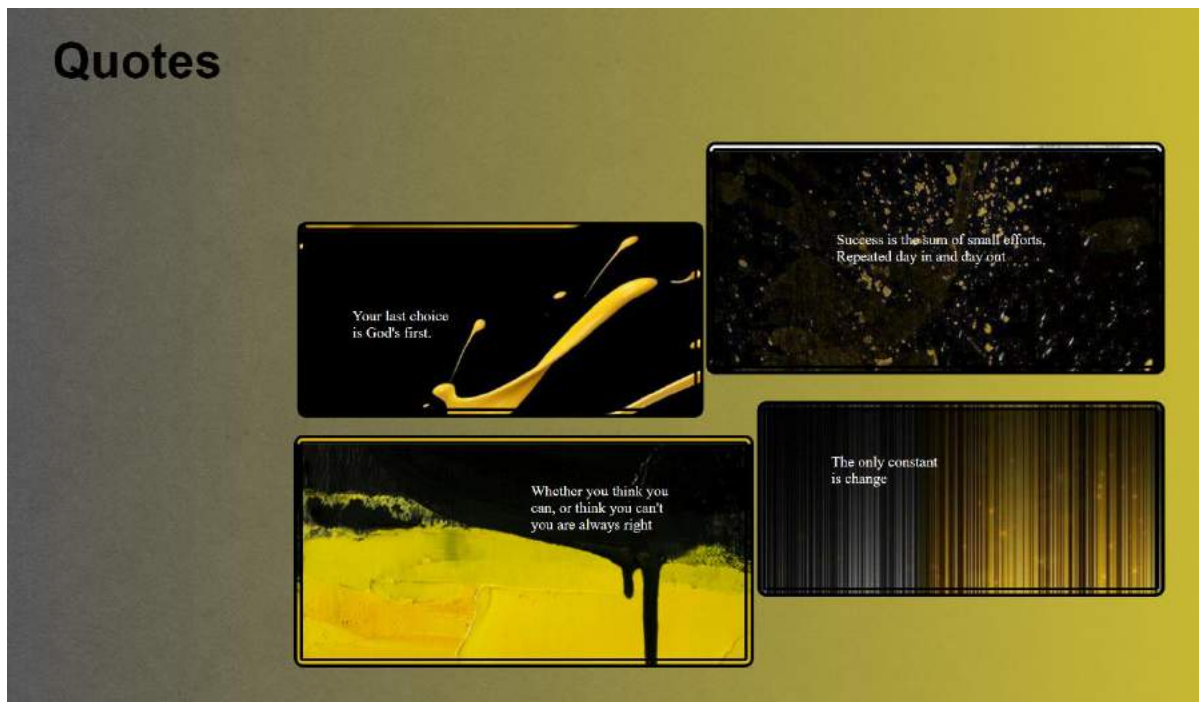
    .quote__third{
        color: white;
        padding-top: 25px;
        padding-left: 245px;
    }

    .quote__fourth{
        color: white;
        padding-top: 30px;
        padding-left: 70px;
    }
}
```


Output:



Full Page Screenshot:



Exercise 4

Question 7

Aim: Implement a one-page personal website to present your resume. Design of the webpage should be like given example.

<https://sachagreif.com/>

Your webpage should also have a navigation menu.

Code:

Portfolio.html

```
<!DOCTYPE html>
<html>
  <head>
    <title>Aashita Goyal (1913541) Exercise 4 Q1</title>
    <link rel="stylesheet" href="Portfolio.css">
    <link rel="shortcut icon" type="image/x-icon"
href="https://iconape.com/wp-content/png_logo_vector/ag-2.png" class="tab-
logo" />
  </head>
  <body>
    <nav class="navbar" style="background-color: #655d8a" id="grad">
      <div class="container">
        
        <div class="nav-content">
          <a href="#section1" class="btn">Bio</a>
          <a href="#section2" class="btn">Code</a>
          <a href="#section3" class="btn">Projects</a>
          <a href="#section4" class="btn">Writing</a>
          <a href="#section2" class="btn">Podcasts</a>
          <a href="#section3" class="btn">Graveyard</a>
        </div>
        <div class="nav-index">
```

```

        <ul class="nav-icon">
            <li class="nav-item">
                <a class="nav-link" href="">Profile
                
                </a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="">Logout
                
                </a>
            </li>
        </ul>
    </div>
</div>
</nav>

<div style="background-color: #EB613D;" >
    <form id="form" style="border-left: 30px solid white; ">
        
        <p>I'm <b>Aashita Goyal</b>, a developer, a student and an
aspirant.
        I'm from New Delhi, India.
        <span style="color: red;">Say hello</span>, or keep scrolling.
        </p>
        <br><br>

    <div class="social-media-logo-container">
        <div><p>-----</p></div>
        <div >
            <a href="https://sachagreif.com/"></a>
            <a href="https://sachagreif.com/"></a>
            <a href="https://sachagreif.com/"></a>

```

```

        <a href="https://sachagreif.com/"></a>
    </div>
    <div><p>-----</p></div>
</div>

</form>
</div>
<div id="section1" style="background-color: #A3D2DF;" >
    <form id="form" style="border-left: 30px solid #F0F0F0; ">
        <h1>Bio</h1>
        <h4>A little more about me. </h4><br>
        <table>
            <tr >
                <td style="width:360px;"><p>I've always loved spending
way too much time on the computer, and spent my teens tinkering &nbsp;with
Photoshop and building crappy websites.

                After coming back to France in 2007, I became a
freelance UI designer, working with companies such as
                <a href="#" style="color: red;">Hipmunk</a>, <a
href="#" style="color: red;">Intercom</a>, and
                <a href="#" style="color: red;">Le Monde</a>.
            </td>

            <td>A few years later, I decided what I really wanted
was to create my own products, and set out to re-learn web programming.
<brbr><brbr>
                After moving to Japan in 2012 for my wife's
studies, I now live in Kyoto and work part-time for
                <a href="#" style="color: red;">Zens
                </a> while also working on my own projects. </p>
            </td>
        </tr>
        <tr>
            <td>
                <br><br>
                <td>But after getting a computer science degree, I
realized writing compilers wasn't for me and decided to switch majors
completely and learn Mandarin instead. <br><br></td>
                <td> <br><br>Yet as it turns out, my path would lead
back to computers: after moving to China in 2006, I ended up quitting my

```

language studies and getting a job in Beijing as a web designer.

</td>

</tr>

</table>

</form>

</div>

<div id="section2" style="background-color: #C6F0D5;">

<form id="form" style="border-left: 30px solid #F0F0F0;" >

<h1>Code</h1>

<h4>The duct tape that keeps the world together. </h4>

<table>

<tr>

<td style="width:360px;">

<p>Vulcan.js

An open-source full-stack app framework based on React, GraphQL, Meteor, and MongoDB. A.k.a. the “Rails for JavaScript”.

Discover Meteor

</td>

<td>State Of JavaScript

I got tired of all this talk of “JavaScript fatigue”, so I created a survey to get more data about recent trends in the JavaScript community.

</td>

</tr>

<tr>

<td>I learned the Meteor JavaScript framework to build Telescope, and decided to reinvest the knowledge I had just acquired to co-author a book together with Tom Coleman.

</td>

<td>State Of CSS

The State of JS survey’s little sister, all about CSS and HTML. </p>

</td>

</tr>

</table>

```

</form>
</div>

<div id="section3" style="background-color: #FFEEB2;">
<form id="form" style="border-left: 30px solid #F0F0F0; ">
<h1>Projects</h1>
<h4>Get Idea; 2. Launch; 3. ???; 4. Profit.</h4><br>

<table>
  <tr>
    <td style="width:360px;"><p><a href="#"
style="color:red;">Sidebar</a><br><br>
      My daily newsletter of the five best design links,
now with over 35000 subscribers.<br><br><br></td>
    <td> <a href="#" style="color:red;">Community Building
Guide</a><br><br>I wrote a free guide to help people build successful
communities.<br><br><br>
    </td>
  </tr>
  <tr>
    <td> <a href="#" style="color:red;">Hacker News
Kansai</a><br><br>
      I co-organize the local Hacker News meetup here in
Osaka.<br><br><br></td>
    <td><a href="#" style="color:red;">Design
Portfolio</a><br><br>
      In a past life, I was a UI designer. You can find
a collection of my client work here.</p></td>
  </tr>
</table>
</form>
</div>

<div id="section4" style="background-color: #E8C8ED;">
<form id="form" style="border-left: 30px solid #F0F0F0; ">
<h1>Writing</h1>
<h4>Like coding, but with fewer bugs.</h4><br>

<table>
  <tr>

```

```

        <td style="width:360px;"><p><a href="#"
style="color:red;">A Study Plan To Cure JavaScript Fatigue </span><span
style="color:grey;">2016</a><br><br>
        My ultra-popular guide to learning
JavaScript.<br><br><br><br></td>
        <td><a href="#" style="color:red;">The Spiderweb
Strategy </a><span style="color:grey;">2014</span><br><br>
        How to organize your products in a way that makes
sense (and makes cents, too).
        <br><br><br><br></td>
    </tr>
    <tr>
        <td><a href="#" style="color:red;">What Kind Of Logo
Do You Get For $5? </span><span style="color:grey;">&nbsp; 2014</a><br><br>
        I went on Fiver to see what kind of logo &nbsp;you
get for just $5. The results were surprising (or maybe not...).
        <br><br><br><br></td>
        <td><a href="#" style="color:red;">Flat Pixels
</a><span style="color:grey;">2013</span><br><br>
        A long-form essay about the never-ending battle
between flat design and skeuomorphism.
        <br><br><br><br></td>
    </tr>
    <tr>
        <td><a href="#" style="color:red;">The Product
Spectrum </a><span style="color:grey;">2014</span><br><br>
        A blueprint for being an entrepreneur, from being
a consultant to building consumer products.
        <br><br><br><br></td>
        <td><a href="#" style="color:red;">Step by Step UI
design </a><span style="color:grey;">2012</span><br><br>
        My first ebook, a surprise success that set me on
the path of the solo entrepreneur.</p></td>
    </tr>
</table>
</form>
</div><br>

<div id="section5" style="background-color: #F9D8C4;">
<form id="form" style="border-left: 30px solid #F0F0F0; ">
<h1>Podcasts</h1>
<h4>Now featuring 20% more French accent.</h4><br>

```

```

        <table>
          <tr>
            <td style="width:360px;"><p><a href="#"
style="color:red;">UI Breakfast Podcast </a><span
style="color:grey;">2016</span><br><br>
            Episode 40: Learning Through
Projects<br><br><br></td>
            <td><a href="#" style="color:red;">React Native Radio
</a><span style="color:grey;">2016</span><br><br>
            43 The State of JavaScript and React Native
            <br><br><br></td>
          </tr>
          <tr>
            <td><a href="#" style="color:red;">Discover Meteor
Podcast </a><span style="color:grey;">2015</span><br><br>
            5 episodes covering various aspects of Meteor
            <br><br><br></td>
            <td><a href="#" style="color:red;">Binpress Podcast
</a><span style="color:grey;">2015</span><br><br>
            Episode 39
            <br><br><br></td>
          </tr>
          <tr>
            <td> <a href="#" style="color:red;">Product People
</a><span style="color:grey;">2014</span><br><br>
            EP63: How things get popular
            <br><br><br></td>
            <td><a href="#" style="color:red;">The Changelog
</a><span style="color:grey;">2013</span><br><br>
            Discover Meteor.js
            <br><br><br></td>
          </tr>
          <tr>
            <td><a href="#" style="color:red;">Upfront Podcast
</a><span style="color:grey;">2013</span><br><br>
            Episode 12 - MeteorJS and Side Projects
            <br><br><br></td>
            <td><a href="#" style="color:red;">The Industry
</a><span style="color:grey;">2012</span><br><br>
            #10: Facebook IPO'd, The Toolbox launches, Parse
for iOS and Android, and Say Hello to Octicons</p>
            <br></td>

```



```

        </tr>
    </table>
</form>
</div>

<div id="section6" style="background-color:#404448;">
<form id="form" style="border-left: 30px solid #F0F0F0; ">
<h1>Graveyard</h1>
<h4>You gotta learn to let them go.</h4><br>

<table>
    <tr>
        <td style="width:360px;"><p><a href="#"
style="color:red;">Screenings </a><span
style="color:grey;">2015</span><br><br>
        An attempt at building a directory of design
talks. On life support due to a lack of updates.<br><br><br></td>
        <td><a href="#" style="color:red;">BJJBot </a><span
style="color:grey;">2015</span><br><br>
        A directory of Brazilian Jiu-Jitsu videos that
never quite took off.
        <br><br><br></td>
    </tr>
    <tr>
        <td><a href="#" style="color:red;">The Toolbox
</a><span style="color:grey;">2012</span><br><br>
        A directory of design resources. The domain
expired, and then got a second life thanks to a new owner.
        <br><br><br></td>
        <td><a href="#" style="color:red;">SachaGreif.com
</a><span style="color:grey;">2012</span><br><br>
        The previous version of this site, a now-abandoned
WordPress blog.
        <br><br><br></td>
    </tr>
    <tr>
        <td><a href="#" style="color:red;">Folyo </a><span
style="color:grey;">2011</span><br><br>
        My first "startup". After many years trying (and
failing) to make it work, sold the site to the talented Workshop crew.
        <br><br><br></td>

```

```

        <td><a href="#" style="color:red;">Patternify
</a><span style="color:grey;">2011</span><br><br>
        A simple pattern generation tool, and one of my
first ever side projects. Still works!</p></td>
    </tr>
</table>
</form>
</div>
</div>

<footer>
    <p>Made by Aashita Goyal with reference to Sacha Greif's
website</p>
</footer>
</body>
</html>

```

Portfolio.css

```

* {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}

.tab-logo {
    background-color: wheat;
}

.container {
    display: flex;
    padding-bottom: 15px;
    margin-left: 15px;
}

```

```
.nav-index {
  margin-left: 30px;
}

.nav-icon {
  margin-left: 30px;
  display: flex;
  margin-top: 25px;
}

.nav-item {
  margin-left: 30px;
}

.nav-link {
  color: #000;
}

.nav-content {
  margin-left: 200px;
  padding-top: 28px;
}

.logo {
  height: 70px;
  width: 70px;
}

.navbar {
  width: 100%;
  background-color: #fff;
}

.nav a {
  color: #000;
}

.nav-item {
  padding-bottom: 10px;
  align-items: flex-end;
  justify-content: end;
}
```

```
.icons {
  height: 20px;
  width: 20px;
}

body {
  font-family: 'Lato', sans-serif;
}

.padLogo {
  padding-left: 5px;
  margin-left: 20px;
}

.social-media-logo-container{
  display: flex;
  margin-left: 30px;
}

.social-media-logo{
  height: 37px;
  width: 37px;
}

body {
  font-family: 'Gill Sans', 'Gill Sans MT', Calibri, 'Trebuchet MS',
sans-serif;
  font-size: larger;
}

form {
  background-color: #fff;
  max-width: 800px;
  margin: 50px auto;
  padding: 30px 20px;
  box-shadow: 2px 5px 10px rgba(0, 0, 0, 0.5);
}

.form-control {
  text-align: left;
  margin-bottom: 25px;
}
```

```
}

.form-control label {
  display: block;
  margin-bottom: 10px;
}

.form-control input,
.form-control select,
.form-control textarea {
  border: 1px solid #777;
  border-radius: 2px;
  font-family: inherit;
  padding: 10px;
  display: block;
  width: 95%;
}

.form-control input[type='radio'],
.form-control input[type='checkbox'] {
  display: inline-block;
  width: auto;
}

button {
  background-color: #05c46b;
  border: 1px solid #777;
  border-radius: 2px;
  font-family: inherit;
  font-size: 21px;
  display: block;
  width: 100%;
  margin-top: 50px;
  margin-bottom: 20px;
}

.nav {
  color: white;
  text-align: center;
```

```
display: flex;
flex-direction: row;
justify-content: space-around;
place-items: center;
}

.btn {
  color: black;
  height: 30px;
  width: 80px;
  padding: 10px;
  margin: 10px;
  border: 2px solid black;
  text-decoration: none;
}

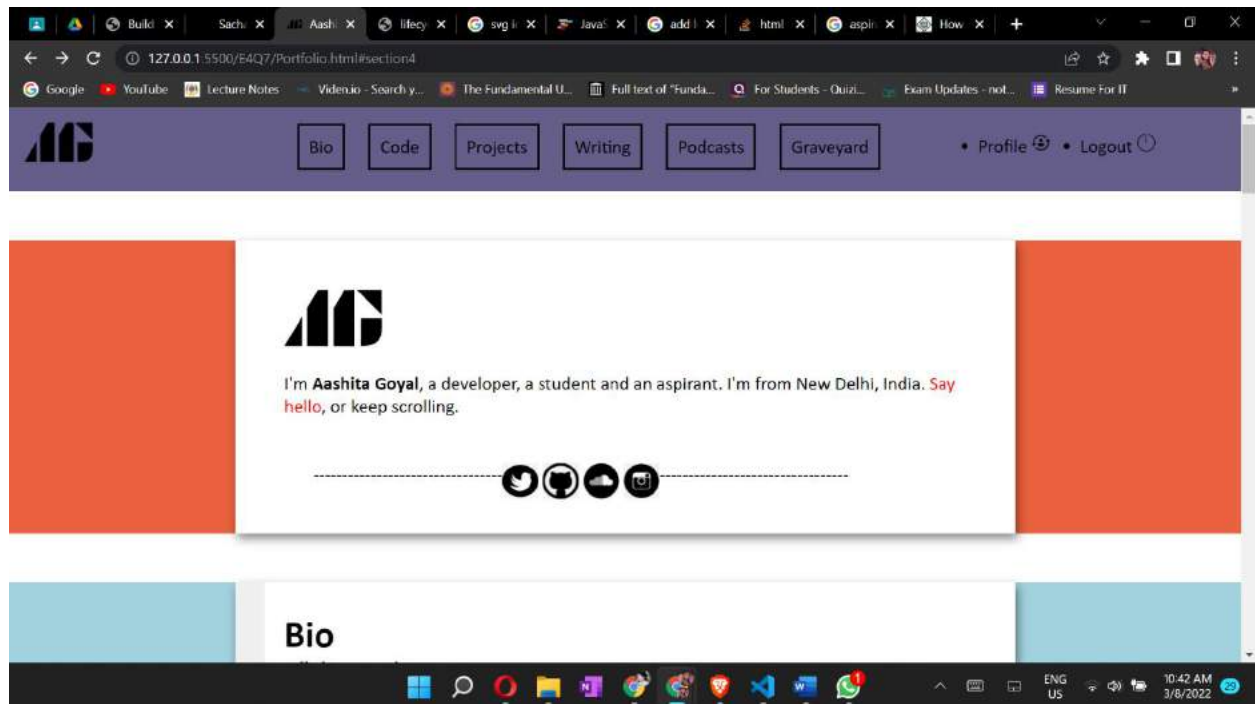
nav {
  display: flex;
  width: 100%;
}

footer {
  text-align: center;
  padding: 3px;
  background-color: black;
  color: white;
}

a:link {
  text-decoration: none;
}

a:hover {
  text-decoration: underline;
}
```

Output:



Exercise 5

Question 8

Aim: Create a Home Page for Banasthali's Website look like stanford's website.
<https://www.stanford.edu/>

Menu should be

About Us | Academics | Research | Campus & Facilities | School Education | Admissions

and top bar should be

News & Events| International | Careers| Placements |Alumni | Contact Us| Login Hub

Code:

Home.html

```
<!DOCTYPE html>
<html>
  <head>
    <title>Aashita Goyal (1913541) Exercise5-Q8</title>
    <link rel="stylesheet" href="./Home.css" />
  </head>

  <body>

    <nav class="navbar background" style="background-color:#1c1c1c">
      <ul class="nav-list">

        <li style="margin-left:100px;"><a href="#web" >About Us</a></li>
        <li><a href="#program"> Academics </a></li>
        <li><a href="#course">Research</a></li>
        <li><a href="#course">Campus & Facilities</a></li>
        <li><a href="#course">school</a></li>
        <li><a href="#course"> Education</a></li>
        <li><a href="#course"> Admissions</a></li>

      </ul>

    </nav>
```



```

<nav class="navbar background">
  <ul class="nav-list">
    <div class="logo" style="margin-left:0px;">
      <img src=
"https://upload.wikimedia.org/wikipedia/en/e/e9/Banasthali_Vidyapeeth_Logo.png" >
    </div>

    <li style="margin-left:120px;"><a href="#web">News & Events</a></li>
    <li><a href="#program">International </a></li>
    <li><a href="#course">Careers</a></li>
    <li><a href="#course">Placements</a></li>
    <li><a href="#course">Alumni</a></li>
    <li><a href="#course">Contact Us</a></li>
    <!--<li><a href="#course">Login Hub</a></li>-->

  </ul>

  <div class="rightNav">
    <svg xmlns="http://www.w3.org/2000/svg" width="20" height="20"
fill="White" class="bi bi-search" viewBox="0 0 16 16">
      <path d="M11.742 10.344a6.5 6.5 0 1 0-1.397 1.398h-
.001c.03.04.062.078.098.115l3.85 3.85a1 1 0 0 0 1.415-1.414l-3.85-3.85a1.007
1.007 0 0 0-.115-.115z" data-bbox="11.742 10.344 15.344 15.344"/>
    </svg>

  </div>

  <button class="btn btn-sm rightNav " style="Border:none;">Search</button>

</nav>

<p class="content">BANASTHALI</p>

</body>
<footer class="background">
  <p class="text-footer">
    <button class="btn btn-sm rightNav " style="Border:none;font-
size:20px;">Explore Banasthali</button>

```

```
</footer>  
</html>
```

Home.css

```
* {  
  margin: 0;  
  padding: 0;  
  box-sizing: border-box;  
}  
  
nav{  
  position: fixed;  
}  
  
* {  
  margin: 0;  
  padding: 0;  
}  
  
.navbar {  
  display: flex;  
  align-items: center;  
  justify-content: center;  
  position: sticky;  
  top: 0;  
  cursor: pointer;  
}  
  
.background {  
  background: black;  
  background-blend-mode: darken;  
  background-size: cover;  
  color: black;  
  background: rgba(black, 0.5);  
}
```

```
}

.nav-list {
  width: 70%;
  display: flex;
  align-items: center;
  color: black;
}

.logo {
  display: flex;
  justify-content: center;
  align-items: center;
}

.logo {
  width: 180px;
  border-radius: 50px;
  float: left;
}

img {
  width: 80px;
  height: 80px;
  border-radius: 50px;
}

.nav-list li {
  list-style: none;
  padding: 26px 30px;
}

.nav-list li a {
  text-decoration: none;
  color: white;
}

.nav-list li a:hover {
  color: grey;
}
```

```
.rightnav {
  width: 30%;
  text-align: right;
}

#search {
  padding: 5px;
  font-size: 17px;
  border: 2px solid grey;
  border-radius: 9px;
}

.firstsection {
  background-color: green;
  height: 400px;
}

.secondsection {
  background-color: blue;
  height: 400px;
}

.box-main {
  display: flex;
  justify-content: center;
  align-items: center;
  color: black;
  max-width: 80%;
  margin: auto;
  height: 80%;
}

.firsthalf {
  width: 100%;
  display: flex;
  flex-direction: column;
  justify-content: center;
}

.secondhalf {
  width: 30%;
}

.secondhalf img {
```

```
width: 70%;
border: 4px solid white;
border-radius: 150px;
display: block;
margin: auto;
}

.text-big {
  font-family: 'Piazzolla', serif;
  font-weight: bold;
  font-size: 35px;
}

.text-small {
  font-size: 18px;
}

.btn {
  padding: 8px 20px;
  margin: 7px 0;
  border: 2px solid white;
  border-radius: 8px;
  background: none;
  color: white;
  cursor: pointer;
}

.btn-sm {
  padding: 6px 10px;
  vertical-align: middle;
}

.section {
  height: 400px;
  display: flex;
  align-items: center;
  justify-content: center;
  max-width: 90%;
  margin: auto;
}

.section-Left {
  flex-direction: row-reverse;
}
```

```
.paras {
  padding: 0px 65px;
}

.thumbnail img {
  width: 250px;
  border: 2px solid black;
  border-radius: 26px;
  margin-top: 19px;
}

.center {
  text-align: center;
}

.text-footer {
  text-align: center;
  padding: 30px 0;
  font-family: 'Ubuntu', sans-serif;
  display: flex;
  justify-content: center;
  color: white;
}

.navbar1 {
  display: flex;
  background-color: #0eb358;
  font-size: 2rem;
  height: 2.5rem;
}

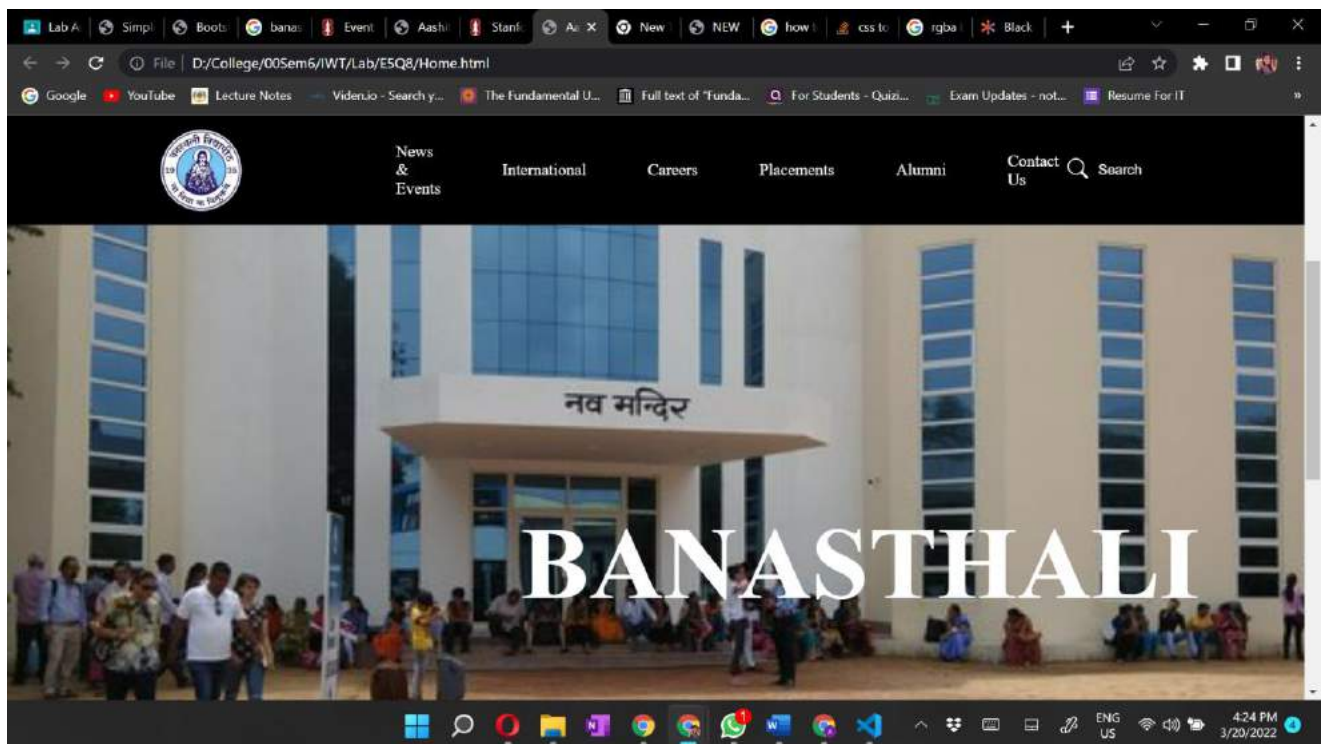
.menu1 {
  margin: 0 3rem;
  justify-content: space-around;
  font-family: 'Franklin Gothic Medium',
    'Arial Narrow',
    Arial, sans-serif;
}
```

```

.content{
  font-size:100px;
  color:Black;
  background-image: url('https://qph.fs.quoracdn.net/main-qimg-
6cafe37ea845b2e15e1af7d49d218a53-1q');
  background-position: center;
  background-repeat: no-repeat;
  background-size: cover;
  padding:500px;
  padding-right: 100px;
  margin:0px;
  font-weight:bold;
  color:white;
}

```

Output:



Exercise 5

Question 9

Aim: Create an event's page for Banasthali Vidyapith website that look identical to Stanford's events page.

Code:

Event.html

```
<!DOCTYPE html>
<html>
  <head>
    <title>Aashita Goyal (1913541) Exercise5-Q9</title>
    <!--<link rel="stylesheet" href="./Event.css" />-->
    <link rel="stylesheet" href=" ../E5Q8/Home.css"/>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
    <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></scrip
t>

  </head>
  <body>

    <nav class="navbar background" style="background-color:#1c1c1c">
      <ul class="nav-list">

        <li style="margin-left:100px;"><a href="#web" >About Us</a></li>
        <li><a href="#program"> Academics </a></li>
        <li><a href="#course">Research</a></li>
        <li><a href="#course">Campus & Facilities</a></li>
        <li><a href="#course">school</a></li>
```



```

        <li><a href="#course"> Education</a></li>
        <li><a href="#course"> Admissions</a></li>

    </ul>

</nav>

<nav class="navbar background">
    <ul class="nav-list">
        <div class="logo" style="margin-left:0px;">
            <img src=
"https://upload.wikimedia.org/wikipedia/en/e/e9/Banasthali_Vidyapeeth_Logo.png" >
        </div>

        <li style="margin-left:120px;"><a href="#web">News & Events</a></li>
        <li><a href="#program">International </a></li>
        <li><a href="#course">Careers</a></li>
        <li><a href="#course">Placements</a></li>
        <li><a href="#course">Alumni</a></li>
        <li><a href="#course">Contact Us</a></li>
        <!--<li><a href="#course">Login Hub</a></li>-->

    </ul>

    <div class="rightNav">
        <svg xmlns="http://www.w3.org/2000/svg" width="20" height="20"
fill="White" class="bi bi-search" viewBox="0 0 16 16">
            <path d="M11.742 10.344a6.5 6.5 0 1 0-1.397 1.398h-
.001c.03.04.062.078.098.115l3.85 3.85a1 1 0 0 0 1.415-1.414l-3.85-3.85a1.007
1.007 0 0 0-.115-.115z" data-bbox="11.742 10.344 15.641 15.641"/>
        </svg>

    </div>

    <button class="btn btn-sm rightNav " style="border:none;">Search</button>

</nav>

<center>
<h1 style="font-weight:bold;font-size:80px;">Event Calendar</h1>

```

```

</center><br>
<center>
<h4 style="font-size:40px;">
Upcoming events happening on the Banasthali Vidyapith campus
</h4>
</center><br>

<div class="container">

  <div class="row">
    <div class="col-md-4">
      <div class="thumbnail">
        <a href="https://localhost-
images.azureedge.net/photos/38574947450014/square_300@2x/bc42c575e40cdef58f9eb712
528e713a106d4e80.jpg" target="_blank">
          <!---->
          
          <div class="caption">

            <a href="" >

Exquisite Reality: Photography and the Invention of Nationhood, 1851-1900
[VIRTUAL] </a>
          <p>EXHIBITION</p>
        </div>
      </a>
    </div>
  </div>
  <div class="col-md-4">
    <div class="thumbnail">
      <a href="https://localhost-
images.azureedge.net/photos/38574945719380/square_300@2x/1338d497cd2a334e576defd1
efcaa1e0d3740ede.jpg" target="_blank">
        <!--  -->
        
        <div class="caption">

```

```

    <a href="" >

Say Their Names - No More Names </a>
    <p>EXHIBITION</p>
    </div>
</a>
</div>
</div>
<div class="col-md-4">
    <div class="thumbnail">
        <a href="https://localist-
images.azureedge.net/photos/38649499673041/square_300/8566616376191c7ee2ed236e8fd
a58f48fec5197.jpg" target="_blank">
            <!--  -->

            
            <div class="caption">
                <a href="" >

Feminist History: A Conference in Honor of Estelle Freedman </a>
    <p>CONFERENCE/SYMPOSIUM</p>
    </div>
</a>
</div>
</div>
<div class="col-md-4">
    <div class="thumbnail">
        <a href="https://localist-
images.azureedge.net/photos/39264792727972/square_300@2x/dfef2e3e5673c6dc3ad359e6
54bb945fb5da73bd.jpg" target="_blank">
            
            <div class="caption">
                <a href="" >

Another Modernity with Clémence Boulouque</a>
    <p>LECTURE/PRESENTATION/TALK</p>
    </div>

```

```

        </a>
      </div>
    </div>
    <div class="col-md-4">
      <div class="thumbnail">
        <a href="https://localhost-
images.azureedge.net/photos/39318257231538/square_300@2x/05438e3a19b73d6d80138e80
12d27b676c9396fa.jpg" target="_blank">
          
          <div class="caption">
            <a href="" >
Cadre Country: How China became the Chinese Communist Party </a>
          <p>LECTURE/PRESENTATION/TALK</p>
          </div>
        </a>
      </div>
    </div>
    <div class="col-md-4">
      <div class="thumbnail">
        <a href="https://localhost-
images.azureedge.net/photos/39324449836976/square_300/ef30e6394e07ac79c2a1d5600be
8a933b8074dee.jpg" target="_blank">
          
          <div class="caption">
            <a href="" >
Mother Nature, Bioweapons and Lab Accidents: Guarding Against the Next Global
Biological Catastrophe </a>
          <p>LECTURE/PRESENTATION/TALK</p>
          </div>
        </a>
      </div>
    </div>
  </div>
</div>

```

```
<center><button type="button" style="padding:20px;margin:10px;Background-color:#960000;font-size:30px;color:white;font-weight:bold;margin-bottom:45px;">More Banasthali Events</button></center>
```

```
<div class="footer-tag" style="padding:50px;margin:20px;width:100%;">





</div><br><br><br>
<footer>
```

```
    <div class="column">

<h5 style="color:#960000;">Company</h5>

    <ul style="list-style-type:disc">
        <li><a href="">About Us</li></a>
        <li><a href="">Careers</li></a>
        <li><a href="">Privacy Policy</li></a>
        <li><a href="">Contact Us</li></a>
    </ul>
</div>
```

```
    <div class="column">

<h5 style="color:#960000;">Learn</h5>

    <ul>
        <li><a href="">Algorithms</li></a>
        <li><a href="">Data Structures</li></a>
        <li><a href="">Languages</li></a>
```

```

        <li><a href="">CS Subjects</li></a><a href="">
        <li><a href="">Video Tutorials</li></a>
    </ul>
</div>

<div class="column">

<h5 style="color:#960000;">Practice</h5>

    <ul>
        <li><a href="">Company-wise</li></a>
        <li><a href="">Topic-wise</li></a>
        <li><a href="">Contests</li></a>
        <li><a href="">Subjective Ques</a>tions</li></a>
    </ul>
</div>

<div class="column">

<h5 style="color:#960000;">Research</h5>

    <ul>
        <li><a href="">Company-wise</li></a>
        <li><a href="">Topic-wise</li></a>
        <li><a href="">Contests</li></a>
        <li><a href="">Subjective Questions</li></a>
    </ul>
</div>
<div class="column">

<h5 style="color:#960000;">Resources</h5>

    <ul>
        <li><a href="">Company-wise</li></a>
        <li><a href="">Topic-wise</li></a>
        <li><a href="">Contests</li></a>
        <li><a href="">Subjective Questions</li></a>
    </ul>
</div>
</footer>

<!--HTML figcaption tag ends here-->

```

```

</body>

<!-- Footer Menu -->
<footer id="footer" style="margin-top:600px;">

    <!-- Company Details -->
    <!-- 1. Address
    2. Contact Number
    3. Enquiry Mail
    -->
    <div style="float: left;">
        <a href=" " ></a>
    </div>

    <div class="company-details" style="float: right;margin-top:40px;">
        <div class="row">
            <div id="col1">
                <span id="icon" class="fa fa-map-marker"
style="color:white;"></span>

                <span style="color:white;">
                    710-B, Advant Navis Business Park,
                    <br />Sector-142, Noida
                </span>
            </div>

            <div id="col2">
                <span id="icon" class="fa fa-phone"></span>

                <span style="color:white;">
                    Telephone: +91-890 * * * * *
                </span>
            </div>

            <div id="col3">
                <span id="icon" class="fa fa-envelope"></span>
                <span style="color:white;">xyz@geeksforgeeks.org</span>
            </div>
        </div>
    </div>

    <!-- Copyright Section -->

```

```
<div class="copyright">

</div>
</footer>

</body>

</html>
```

Event.css

```
* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
}

nav{
  position: fixed;
}

* {
  margin: 0;
  padding: 0;
}

.navbar {
```



```
        display: flex;
        align-items: center;
        justify-content: center;
        position: sticky;
        top: 0;
        cursor: pointer;
    }

    .background {
        background: #960000;
        background-blend-mode: darken;
        background-size: cover;
    }

    .nav-list {
        width: 70%;
        display: flex;
        align-items: center;
    }

    .logo {
        display: flex;
        justify-content: center;
        align-items: center;
    }

    .logo {
        width: 180px;
        border-radius: 50px;
        float: left;
    }

    img {
        width: 80px;
        height: 80px;
        border-radius: 50px;
    }

    .nav-list li {
        list-style: none;
        padding: 26px 30px;
```

```
}

.nav-list li a {
    text-decoration: none;
    color: white;
}

.nav-list li a:hover {
    color: grey;
}

.rightnav {
    width: 30%;
    text-align: right;
}

#search {
    padding: 5px;
    font-size: 17px;
    border: 2px solid grey;
    border-radius: 9px;
}

.firstsection {
    background-color: green;
    height: 400px;
}

.secondsection {
    background-color: blue;
    height: 400px;
}

.box-main {
    display: flex;
    justify-content: center;
    align-items: center;
    color: black;
    max-width: 80%;
    margin: auto;
    height: 80%;
}
```

```
.firsthalf {
  width: 100%;
  display: flex;
  flex-direction: column;
  justify-content: center;
}

.secondhalf {
  width: 30%;
}

.secondhalf img {
  width: 70%;
  border: 4px solid white;
  border-radius: 150px;
  display: block;
  margin: auto;
}

.text-big {
  font-family: 'Piazzolla', serif;
  font-weight: bold;
  font-size: 35px;
}

.text-small {
  font-size: 18px;
}

.btn {
  padding: 8px 20px;
  margin: 7px 0;
  border: 2px solid white;
  border-radius: 8px;
  background: none;
  color: white;
  cursor: pointer;
}

.btn-sm {
  padding: 6px 10px;
  vertical-align: middle;
}

}
```

```
.section {
    height: 400px;
    display: flex;
    align-items: center;
    justify-content: center;
    max-width: 90%;
    margin: auto;
}

.section-Left {
    flex-direction: row-reverse;
}

.paras {
    padding: 0px 65px;
}

.thumbnail img {
    width: 250px;
    border: 2px solid black;
    border-radius: 26px;
    margin-top: 19px;
}

.center {
    text-align: center;
}

.text-footer {
    text-align: center;
    padding: 30px 0;
    font-family: 'Ubuntu', sans-serif;
    display: flex;
    justify-content: center;
    color: white;
}

.navbar1 {
    display: flex;
    background-color: #0eb358;
    font-size: 2rem;
```

```
        height: 2.5rem;
    }

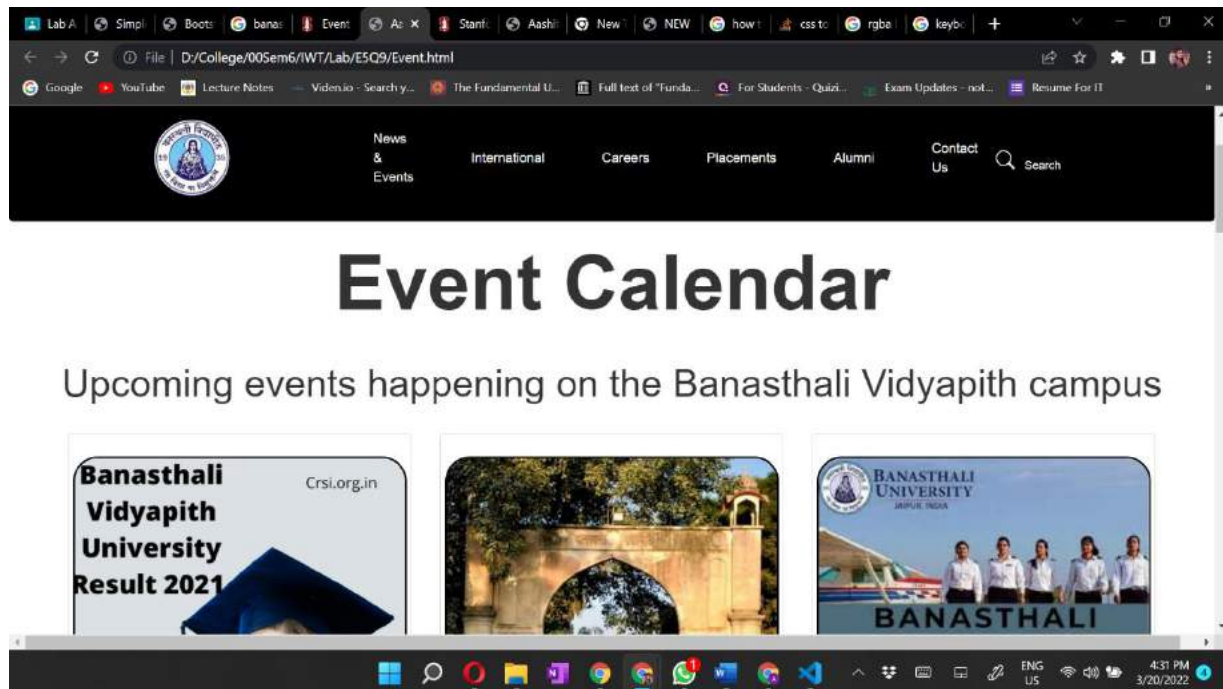
    .menu1 {
        margin: 0 3rem;
        justify-content: space-around;
        font-family: 'Franklin Gothic Medium',
            'Arial Narrow',
            Arial, sans-serif;
    }

    .column {
        float: left;
        width: 27%;
        height: 300px;
    }

    h5 {
        font-size: 20px;
        font-weight: bold;
    }

    #footer {
        position: fixed;
        padding: 10px 10px 0px 10px;
        bottom: 0%;
        width: 100%;
        /* Height of the footer */
        height: 150px;
        background: #960000;
    }
}
```

Output:



Exercise 6

Question 10

Aim: Create a Web page that accept a value in a text box for temperature in one unit and convert it to another. It should accept input in kelvin, Celsius, Fahrenheit and Convert accordingly.

Code:

Temp.html

```
<!DOCTYPE html>
<html>
  <head>
    <title>Aashita Goyal (1913541) Exercise6-Q10</title>
    <link rel="stylesheet" href="./Temp.css">
  </head>
  <body>
    <div class="wrapper">
      <div class="card">
        <h1>Temperature Converter</h1>
        <p><strong>Enter temperature in any of the following units and obtain conversion of the same value into other two units.</strong> </p>
        <div class="temp-box">
          <div class="temp-fields">
            <h3 class="spacing">Celsius</h3>
            <input id="celsius" value="0"/>
          </div>
          <div class="temp-fields">
            <h3 class="spacing">Fahrenheit</h3>
            <input id="fahrenheit" value="0"/>
          </div>
          <div class="temp-fields">
            <h3 class="spacing">Kelvin</h3>
            <input id="kelvin" value="0"/>
          </div>
        </div>
        <div class="buttons">
```

```

        <button id="submit" class="spacing" type="submit"
value="submit">Convert</button>
        <button id="reset" class="spacing" type="reset"
value="reset">Reset</button>
    </div>
</div>
</div>
<script src="./Temp.js"></script>
</body>
</html>

```

Temp.css

```

* {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}

h1{
    color: firebrick;
    padding: 20px;
    text-align: center;
}

.temp-fields{
    text-align: center;
}

.buttons{
    margin-left: 580px;
    margin-top: 40px;
}

.temp-box{
    border-color: black;
    background-color: yellowgreen;
}

```



```

    width: 500px;
    margin-left: 380px;
    height: 280px;
}

.temp-fields{
    padding-top: 30px;
}

p{
    text-align: center;
    padding-bottom: 20px;
    background-color: silver;
    width: 800px;
    margin-left: 250px;
    padding-top: 15px;
    font-size: larger;
    margin-bottom: 30px;
}

```

Temp.js

```

var lastEdited = "celsius"; // initialize the lastEdited flag to any of the
three input fields.

//button listeners
document.getElementById("submit").onclick = convert;
document.getElementById("reset").onclick = reset;

//picks up on if and when an input field changes, then sets the lastEdited flag
to the input field that was changed.
document.getElementById("celsius").onchange = function() {
    lastEdited = "celsius";
};
document.getElementById("fahrenheit").onchange = function() {
    lastEdited = "fahrenheit";
};
document.getElementById("kelvin").onchange = function() {
    lastEdited = "kelvin";
};

```

```

};

function convert(temp) {

    //initialize local variables
    var celsius = document.getElementById("celsius").value;
    celsius = parseFloat(celsius);

    var fahrenheit = document.getElementById("fahrenheit").value;
    fahrenheit = parseFloat(fahrenheit);

    var kelvin = document.getElementById("kelvin").value;
    kelvin = parseFloat(kelvin);

    //temp values
    var conversionC;
    var conversionF;
    var conversionK;

    //if the celsius field changes, convert the fahrenheit and kelvin values
    if (lastEdited === "celsius") {
        conversionF = celsius * 9 / 5 + 32;
        conversionK = celsius + 273;
        //round the converted fahrenheit and kelvin values
        document.getElementById("fahrenheit").value = Math.round(conversionF);
        document.getElementById("kelvin").value = Math.round(conversionK);
    }

    //if the fahrenheit field changes, convert the celsius and kelvin values
    else if (lastEdited === "fahrenheit") {
        conversionC = (fahrenheit - 32) * 5 / 9;
        conversionK = conversionC + 273;
        //round the converted celsius and kelvin values
        document.getElementById("celsius").value = Math.round(conversionC);
        document.getElementById("kelvin").value = Math.round(conversionK);
    }

    //if the kelvin field changes, convert the celsius and fahrenheit values
    else if (lastEdited === "kelvin") {
        conversionC = kelvin - 273;
        conversionF = conversionC * 9 / 5 + 32;
        //round the converted celsius and fahrenheit values
        document.getElementById("celsius").value = Math.round(conversionC);
        document.getElementById("fahrenheit").value = Math.round(conversionF);
    }

    //get the current conversion temp values and store them in the input fields

```

```

document.getElementById("celsius").innerHTML = conversionC;
document.getElementById("fahrenheit").innerHTML = conversionF;
document.getElementById("kelvin").innerHTML = conversionK;
}

//reset function for the reset button to reset all current values
function reset() {
    document.getElementById("celsius").value = 0;
    document.getElementById("fahrenheit").value = 0;
    document.getElementById("kelvin").value = 0;
}

```

Output:

Temperature Converter

Enter temperature in any of the following units and obtain conversion of the same value into other two units.

Celsius
0

Fahrenheit
0

Kelvin
0

Convert Reset

Question 11

Aim: Create a Webpage with two buttons start and stop. When user click on start button a timer should start to count seconds. When a user click on stop button then it should stop.

Code:

Timer.html

```
<!DOCTYPE html>
<html>
  <head>
    <title>Aashita Goyal (1913541) Exercise6-Q11</title>
    <link rel="stylesheet" href="./Timer.css">
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.2.1/jquery.min.js"></script>
  </head>
  <body>
    <center>
      <h1>TIMER</h1>
      <div id="timer">
        <span id="hours">00:</span>
        <span id="mins">00:</span>
        <span id="seconds">00</span>
      </div>
      <div id="controls">
        <button id="start">Start</button>
        <button id="stop">Stop</button>
      </div>
    </center>

    <script src="./Timer.js"></script>
  </body>
</html>
```

Timer.css

```
* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
}

#timer {
  font-size: 150px;
  margin: 0 auto;
  width: 800px;
  background-color: darkgrey;
  border-radius: 500px;
  margin-bottom: 50px;
}

#controls {
  margin: 0 auto;
  width: 600px;
}

#controls button {
  font-size: 24px;
}
```

Timer.js

```
var hours = 0;
var mins = 0;
var seconds = 0;

$('#start').click(function(){
  startTimer();
});
```

```

$('#stop').click(function(){
    clearTimeout(timer);
});

$('#reset').click(function(){
    hours =0;    mins =0;    seconds =0;
    $('#hours','#mins').html('00');
    $('#seconds').html('00');
});

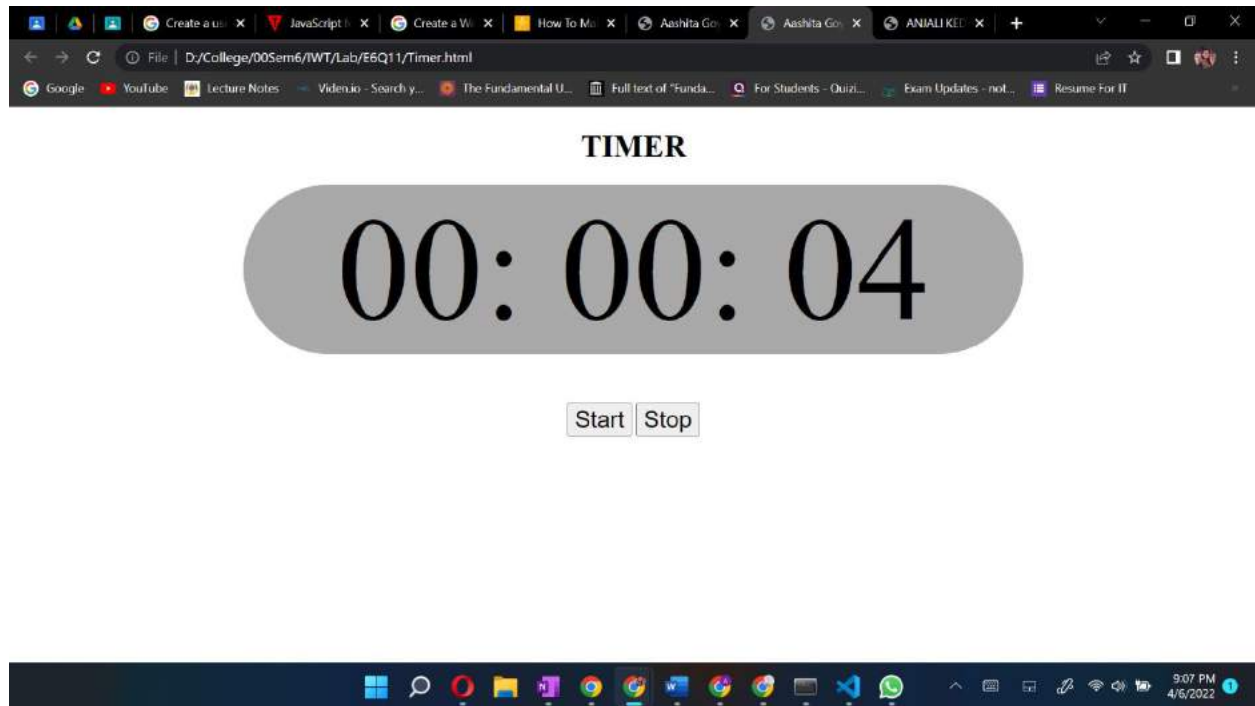
function startTimer(){
    timer = setTimeout(function(){
        seconds++;
        if(seconds >59){seconds=0;mins++;
            if(mins>59) {
                mins=0;hours++;
                if(hours <10) {$("#hours").text('0'+hours+':')} else
                $("#hours").text(hours+':');
            }

            if(mins<10){
                $("#mins").text('0'+mins+':');}
            else $("#mins").text(mins+':');
        }
        if(seconds <10) {
            $("#seconds").text('0'+seconds);} else {
            $("#seconds").text(seconds);
        }

        startTimer();
    },1000);
}

```

Output:



Question 12

Aim: Create a Webpage to display digital clock that display updated time of your system without refreshing webpage.

Code:

Clock.html

```
<!DOCTYPE html>
<html>
  <head>
    <title>Aashita Goyal (1913541) Exercise6-Q</title>
    <link rel="stylesheet" href="./Clock.css">
  </head>
  <body>
    <h1>Digital Clock</h1>
    <div id="digClock"></div>
    <script src="./Clock.js"></script>
  </body>
</html>
```

Clock.css

```
* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
}

body{
  background-color: black;
}

#digClock {
  font-size: 90px;
  width: 400px;
  text-align: center;
  background-color: darkslategray;
  color: darkgray;
  margin-left: 450px;
}
```



```
    margin-top: 5px;
}

h1{
    margin-left: 490px;
    padding: 20px;
    font-size: 50px;
    margin-top: 150px;
    color: grey;
}
```

Clock.js

```
function showTime() {
    let time = new Date();
    let hour = time.getHours();
    let min = time.getMinutes();
    let sec = time.getSeconds();

    if (hour > 12) {
        hour -= 12;
    }
    if (hour == 0) {
        hr = 12;
    }

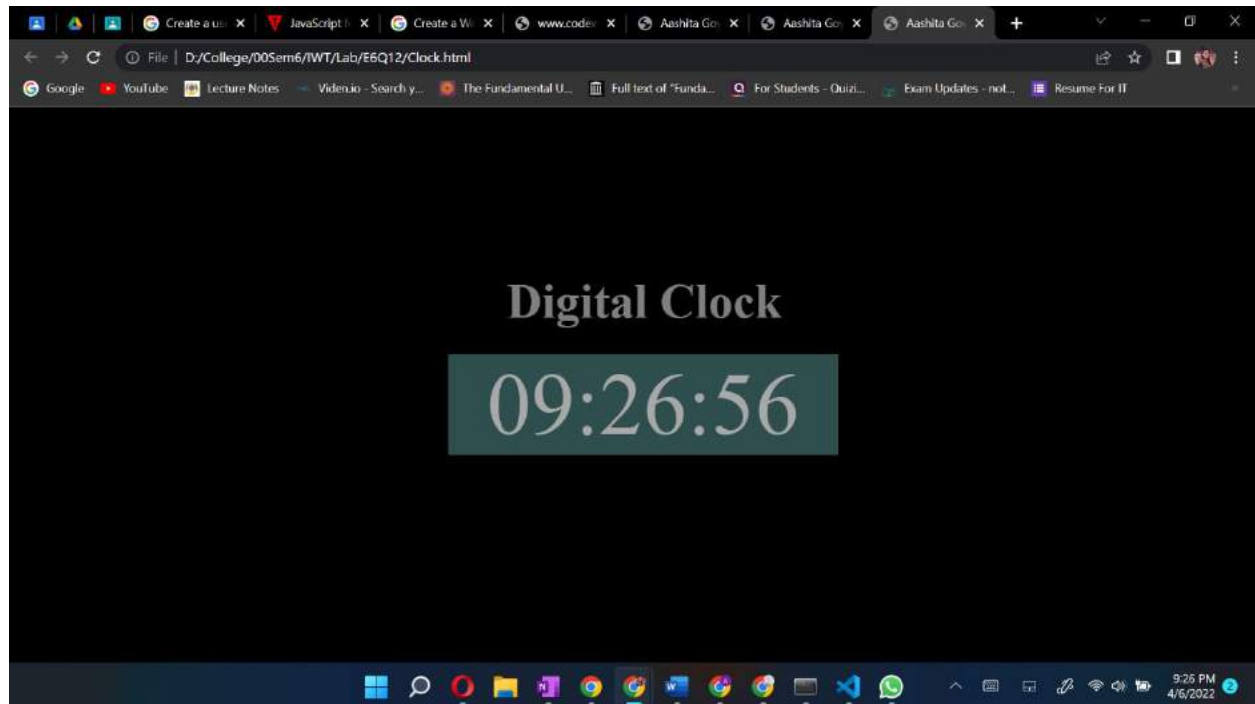
    hour = hour < 10 ? "0" + hour : hour;
    min = min < 10 ? "0" + min : min;
    sec = sec < 10 ? "0" + sec : sec;

    let currentTime = hour + ":"
        + min + ":" + sec;

    document.getElementById("digClock")
        .innerHTML = currentTime;
}

setInterval(showTime, 1000);
showTime();
```

Output:



Question 13

Aim: Write a JavaScript to display greeting message according to time with user name that is accessing the webpage. When user clicks on the greeting message it should hide.

Code:

Greet.html

```
<!DOCTYPE html>
<html>
  <head>
    <title>Aashita Goyal (1913541) Exercise6-Q13</title>
    <link rel="stylesheet" href="./Greet.css">
  </head>
  <body>
    <div class="box">
      <h1 id="para" onclick="greetings()"></h1>
      <div id="digClock"></div>
    </div>

    <script src="./Greet.js"></script>
  </body>
</html>
```

Greet.css

```
* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
}

body{
```

```

    background-color: darkolivegreen;
}

#para{
    text-align: center;
    padding: 20px;
    margin-top: 30px;
    font-size: 60px;
    color: darkkhaki;
}

#digClock{
    text-align: center;
    padding: 10px;
    font-size: 30px;
    color: darkkhaki;
}

.box{
    background-color: black;
    width: 500px;
    margin-left: 410px;
}

```

Greet.js

```

let fname = window.prompt("Enter your full name");
var now = new Date();
var hour = now.getHours();
greet = document.getElementById('para');
greet.addEventListener('click',function run()
{
    greet.style.display='none';
})

if(hour >= 6 && hour < 12)
{
    greet.innerHTML = "Good Morning "+fname +"The time is: ";
}

```

```
else if(hour == 12)
{
    greet.innerHTML = "Good Noon "+fname;
}
else if(hour >= 12 && hour <= 17)
{
    greet.innerHTML = "Good Afternoon "+fname;
}
else if (hour >= 18 && hour <= 21) {
    greet.innerHTML = "Good Evening "+fname;
}
else
{
    greet.innerHTML = "Good Night "+fname;
}

function showTime() {
    let time = new Date();
    let hour = time.getHours();
    let min = time.getMinutes();
    let sec = time.getSeconds();

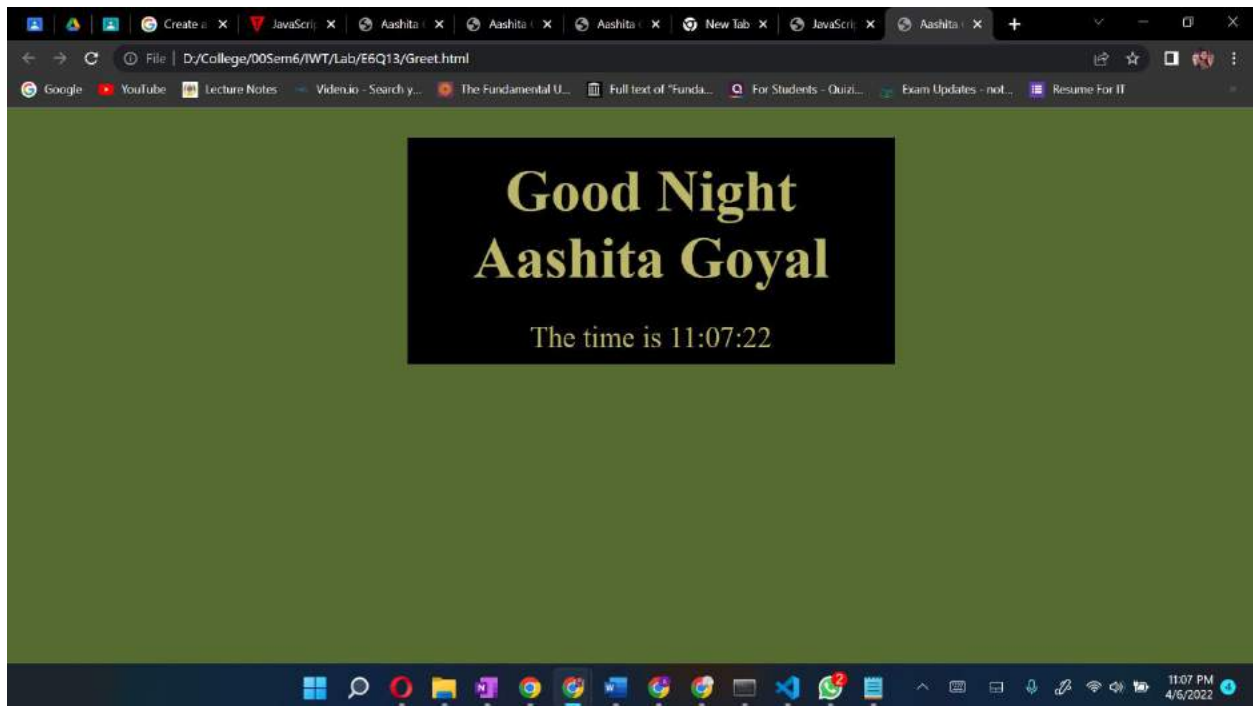
    if (hour > 12) {
        hour -= 12;
    }
    if (hour == 0) {
        hr = 12;
    }

    hour = hour < 10 ? "0" + hour : hour;
    min = min < 10 ? "0" + min : min;
    sec = sec < 10 ? "0" + sec : sec;

    let currentTime = hour + ":"
        + min + ":" + sec;

    document.getElementById("digClock")
        .innerHTML = "The time is "+currentTime;
}
setInterval(showTime, 1000);
showTime();
```

Output:



Question 14

Aim: Create a user registration form which accepts first name, last name, user ID, password, confirm password, Address, Email ID, Contact number. Apply appropriate client side validations using JavaScript for all fields of html form. Also format this form using a CSS

Code:

Form_Validation.html

```
<!DOCTYPE html>
<html>
```

```
<head>
  <title>Aashita Goyal (1913541) Exercise6-Q14</title>
  <link rel="stylesheet" href="./Form_Validation.css">
</head>
<body onload="document.registration.userid.focus();">
  <h1>Registration Form</h1>
  <div class="box">
    <form name='registration' onSubmit="return formValidation();">
      <ul>
        <li><label for="userid">First Name:</label></li>
        <li><input type="text" name="userid" size="12" /></li>
        <li><label for="userid">Last Name:</label></li>
        <li><input type="text" name="userid" size="12" /></li>

        <li><label for="passid">Password:</label></li>
        <li><input type="password" name="passid" size="12" /></li>
        <li><label for="passid" id="label_length">Confirm Password:</label></li>
        <li><input type="password" name="passid" size="12" /></li>
        <li><label for="address">Address:</label></li>
        <li><input type="text" name="address" size="50" /></li>
        <li><label for="email">Email:</label></li>
        <li><input type="email" name="email" size="50" /></li>
        <li><label for="phone">Contact No:</label></li>
        <li><input type="text" name="number" /></li>
        <li><input type="submit" name="submit" value="Submit" /></li>
      </ul>
    </form>
  </div>
  <script src="./Form_Validation.js"></script>
</body>
</html>
```

<

Form_Validation.css

```
* {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}

body{
    background-color: darkgray;
}

form{
    text-align: center;
    font-size: 30px;
}

label{
    width: 100px;
}

#label_length{
    width: fit-content;
}

.box{
    margin-left: 500px;
    padding-top: 30px;
}

h1 {
    margin-left: 70px;
    text-align: center;
    padding: 10px;
    margin-top: 20px;
}

form li {
    list-style: none;
    margin-bottom: 5px;
    margin: 10px;
}

form ul li label{
    float: left;
    clear: left;
```



```

width: 100px;
text-align: right;
margin-right: 10px;
font-family: Verdana, Arial, Helvetica, sans-serif;
font-size: 14px;
}
form ul li input, select, span {
float: left;
margin-bottom: 10px;
}
form textarea {
float: left;
width: 350px;
height: 150px;
}
[type="submit"] {
clear: left;
margin: 20px 0 0 230px;
font-size: 18px;
}
p {
margin-left: 70px;
font-weight: bold;
}

```

Form_Validation.js

```

function formValidation()
{
var uid = document.registration.userid;
var passid = document.registration.passid;
var uname = document.registration.username;
var uadd = document.registration.address;
var uphone = document.registration.phone;
var uemail = document.registration.email;
var fname = document.reg_form.fname;
var lname = document.reg_form.lname;
if(userid_validation(uid,5,12))
{
if(passid_validation(passid,7,12))
{
if(allLetter(uname))
{

```

```
if(alphanumeric(uadd))
{
if(allnumeric(uphone))
{
if(ValidateEmail(uemail))
{
}
}
}
}
}
}
return false;
}
```

```
function userid_validation(uid,mx,my)
{
var uid_len = uid.value.length;
if (uid_len == 0 || uid_len >= my || uid_len < mx)
{
alert("User Id should not be empty / length be between "+mx+" to "+my);
uid.focus();
return false;
}
return true;
}
function passid_validation(passid,mx,my)
{
var passid_len = passid.value.length;
if (passid_len == 0 || passid_len >= my || passid_len < mx)
{
alert("Password should not be empty / length be between "+mx+" to "+my);
passid.focus();
return false;
}
return true;
}
function allLetter(uname)
{
var letters = /^[A-Za-z]+$/;
if(uname.value.match(letters))
{
return true;
}
}
```

```
else
{
alert('Username must have alphabet characters only');
uname.focus();
return false;
}
}
function alphanumeric(uadd)
{
var letters = /^[0-9a-zA-Z]+$/;
if(uadd.value.match(letters))
{
return true;
}
else
{
alert('User address must have alphanumeric characters only');
uadd.focus();
return false;
}
}
function allnumeric(usize)
{
var numbers = /^[0-9]+$/;
if(usize.value.match(numbers))
{
return true;
}
else
{
alert('phone code must have numeric characters only');
usize.focus();
return false;
}
}
function ValidateEmail(uemail)
{
var mailformat = /^[w+([\.-]?w+)[w+([\.-]?w+)(\.[w]{2,3})+$/;
if(uemail.value.match(mailformat))
{
return true;
}
else
{
alert("You have entered an invalid email address!");
}
```

```
uemail.focus();
return false;
}
if (fname.value.length <= 0) {
    alert("Name is required");
    fname.focus();
    return false;
}
if (lname.value.length <= 0) {
    alert("Last Name is required");
    lname.focus();
    return false;
}

else
{
    alert('Form Succesfully Submitted');
    window.location.reload()
    return true;
}
}
```

Output:

Registration Form

First Name:

Last Name:

Password:

Confirm Password:

Address:

Email:

Contact No: