

Manav Rachna International Institute of Research and Studies

School of Computer Applications

Department of Computer Applications

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SCHOOL OF COMPUTER APPLICATIONS

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sQuestion-1

Create a simple HTML page using basic tags

Input:

```
<html>
```

```
<head>
```

```
<title></title>
```

```
</head>
```

```
<body>
```

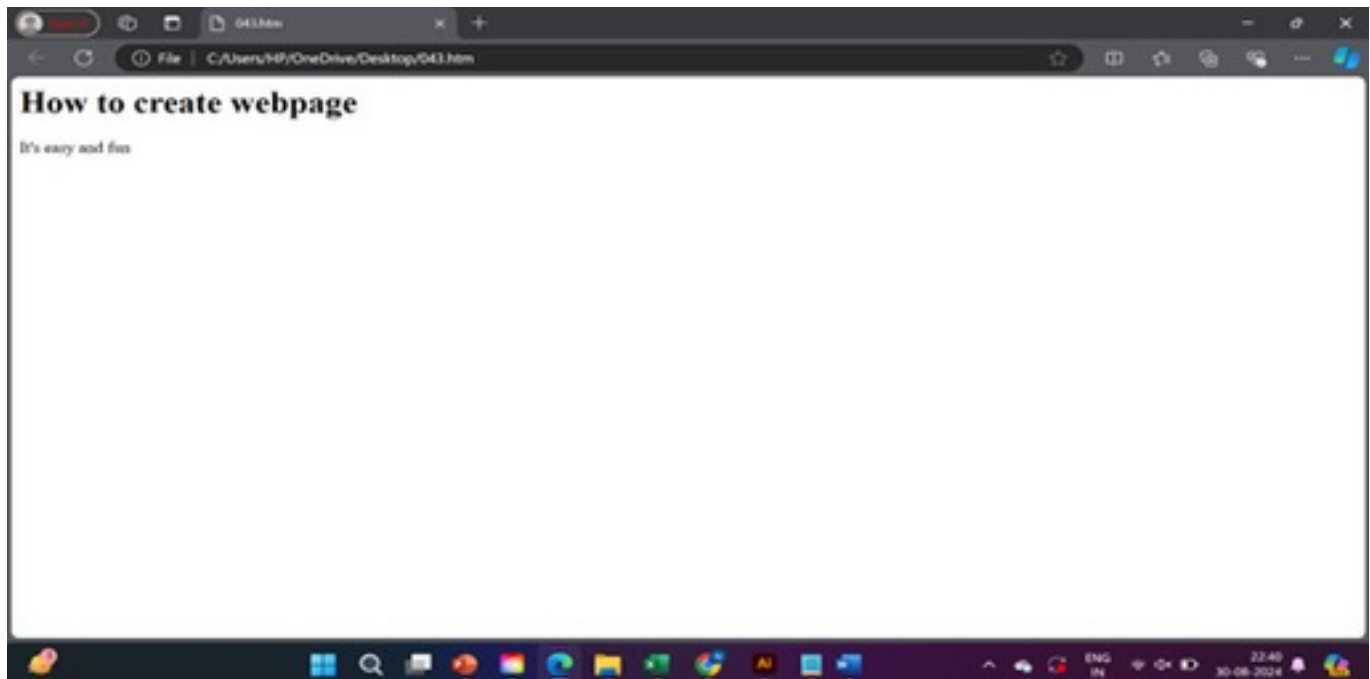
```
<h1>How to create webpage</h1>
```

```
<p>It's easy amd fun </p>
```

```
</body>
```

```
</html>
```

Output:



Question-2

Create a webpage that displays your name to the screen

Input:

```
<html>
```

```
<head>
```

```
<title>My name</title>
```

```
</head>
```

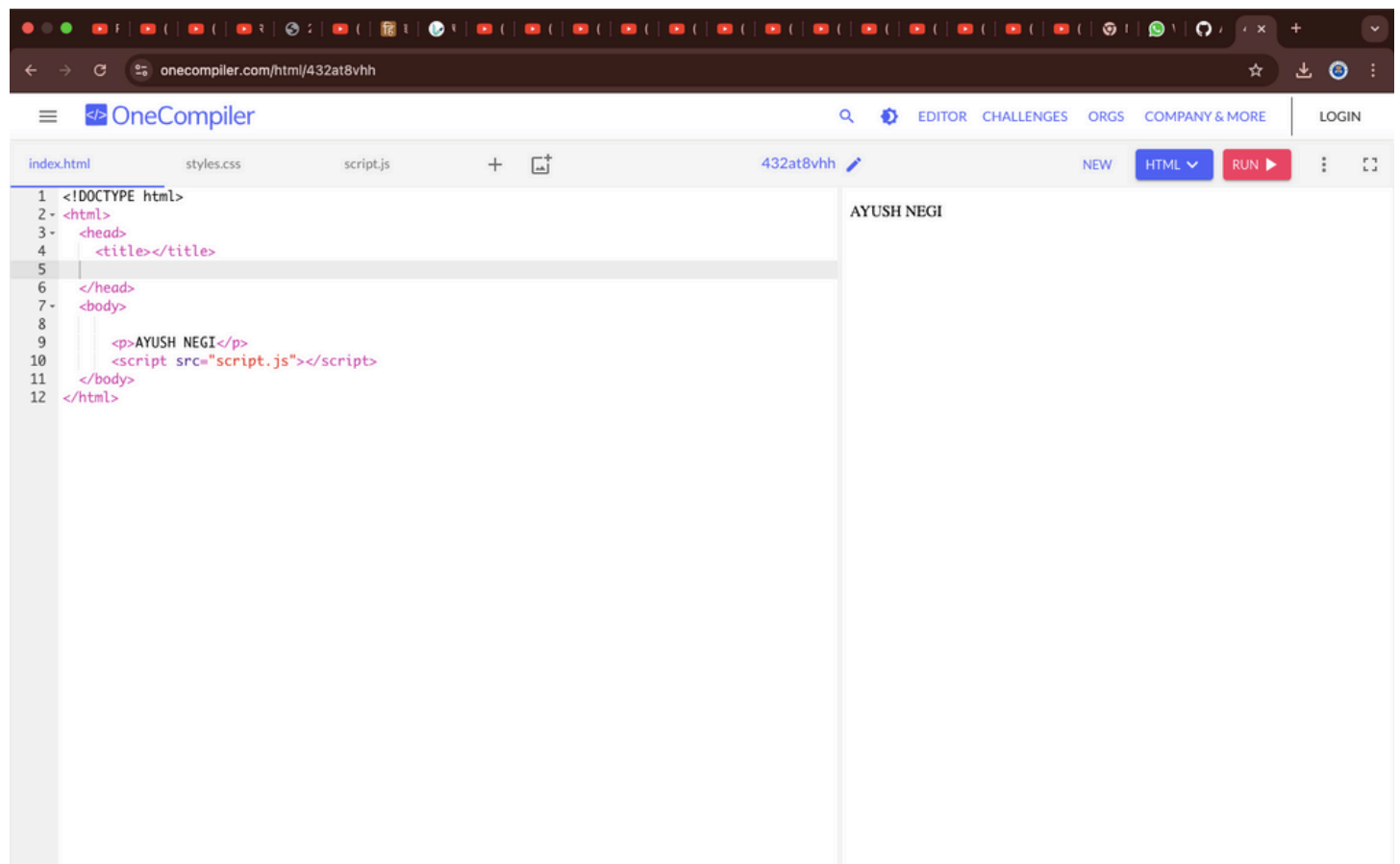
```
<body>
```

```
<p>Ayush Negi </p>
```

```
</body>
```

```
<html>
```

Output:



Question-3

Create a web page and show the output from 1 to 10 in separate lines

Input:

```
<html>
```

```
<head>
```

```
<title>Numbers</title>
```

```
</head>
```

```
<body>
```

```
  1<br>
```

```
  2<br>
```

```
  3<br>
```

```
  4<br>
```

```
  5<br>
```

```
  6<br>
```

```
  7<br>
```

```
  8<br>
```

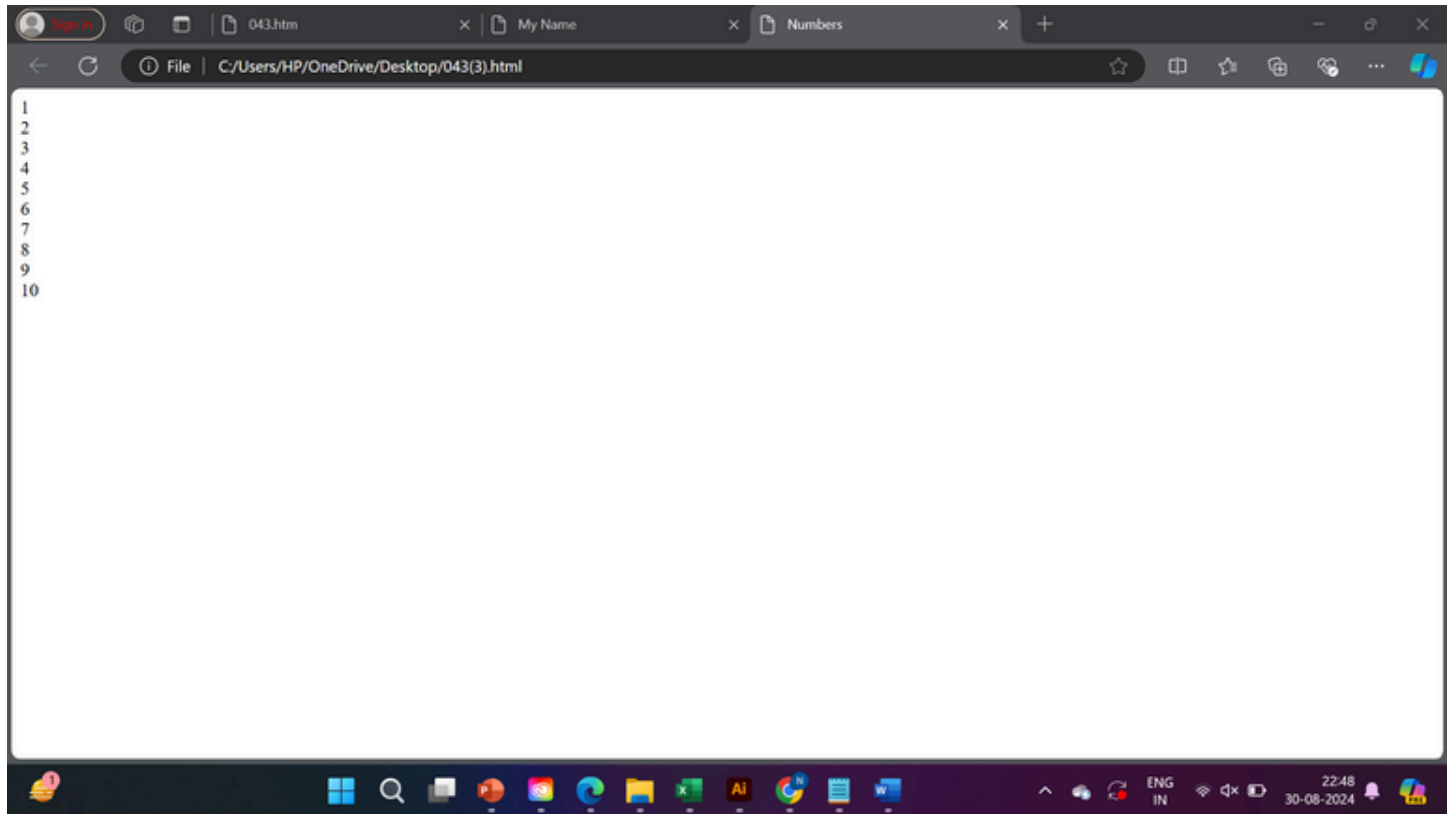
```
  9<br>
```

```
 10<br>
```

```
</body>
```

```
</html>
```

Output:



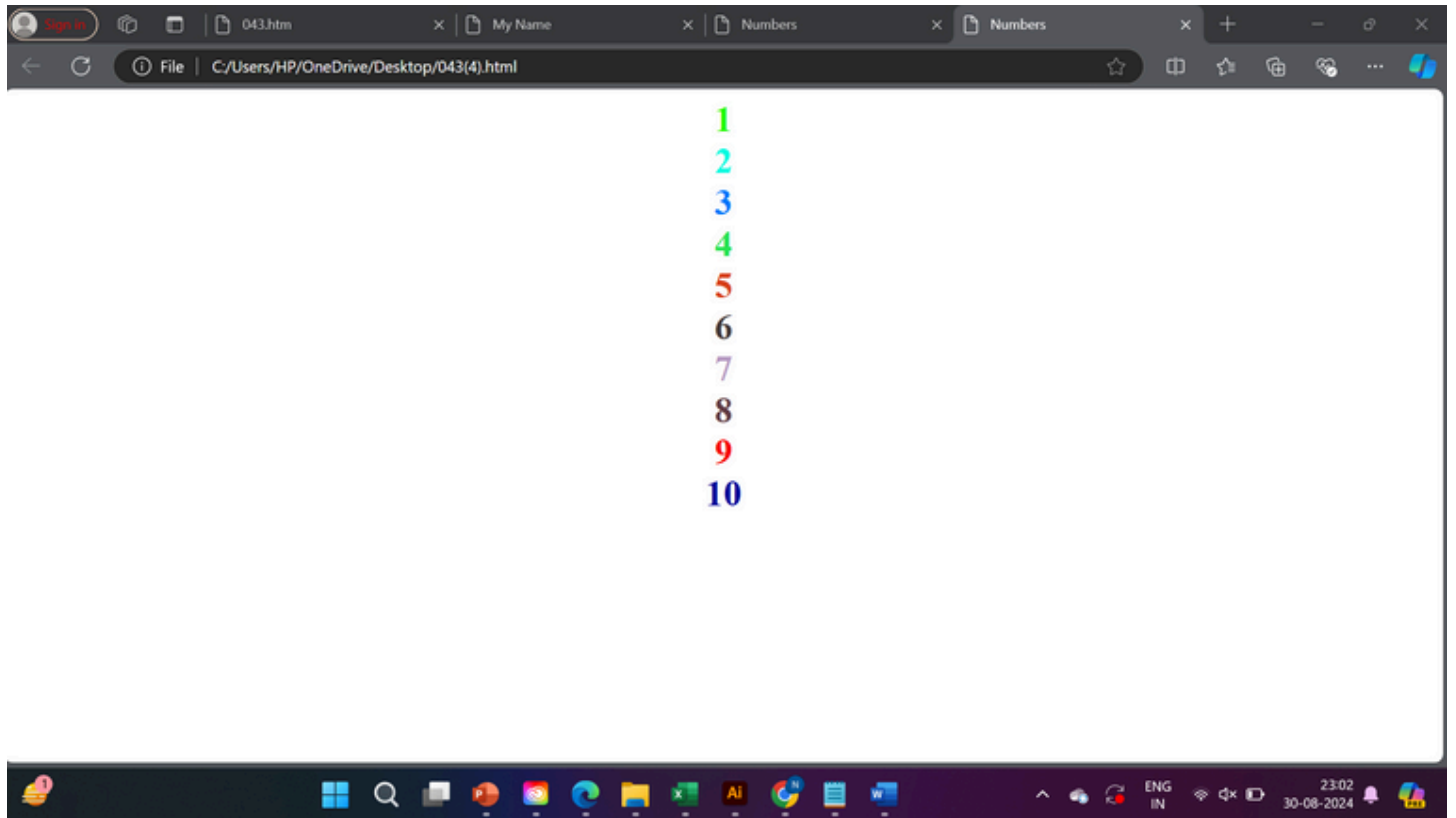
Question-4

Create a web page and show the output from 1 to 10 in separate line,each number being in different colour

Input:

```
<html>
<head>
<title>Numbers</title>
</head>
<body>
<h1><p align="centre">
    <font color="#20fc03">1<br></font>
    <font color="#03fce3">2<br></font>
    <font color="#0377fc">3<br></font>
    <font color="27e653">4<br></font>
    <font color="d9401a">5<br></font>
    <font color="453a3a">6<br></font>
    <font color="b89bc4">7<br></font>
    <font color="633d46">8<br></font>
    <font color="f70000">9<br></font>
    <font color="000099">10<br></font>
</p></h1>
</body>
</html>
```

Output:



Question – 5

How to I make a picture as a background on my web page?

Input:

<html>

<head>

<title>How to add an image as background image of a web page?</title>

</head>

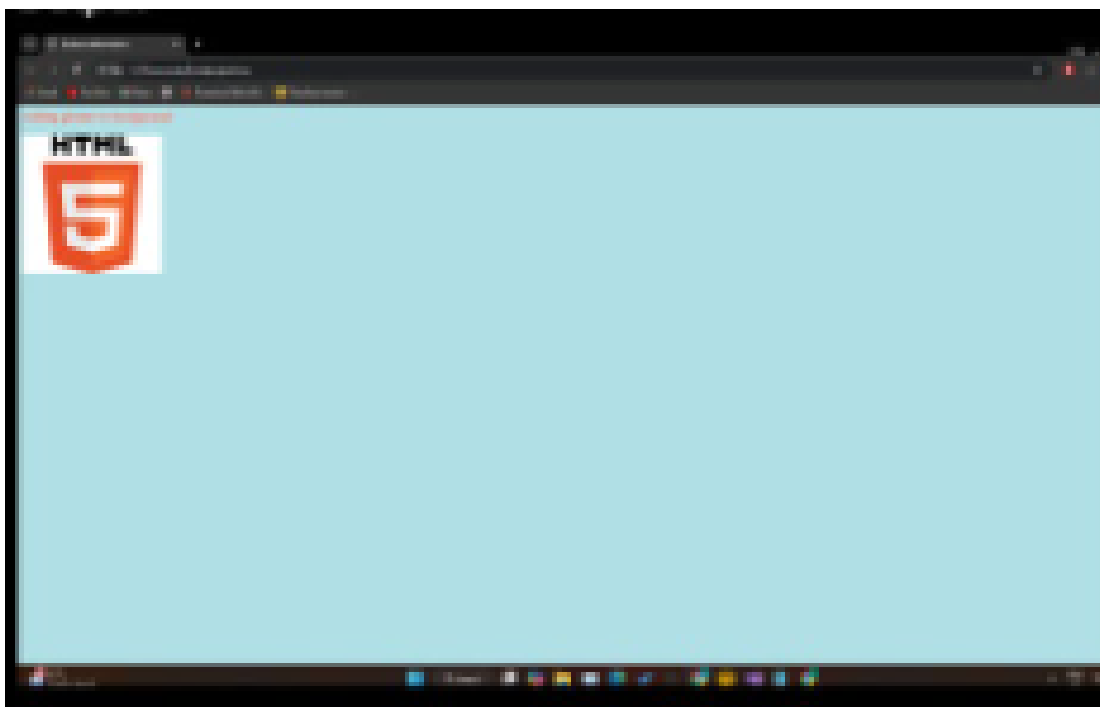
<body>

<h1>How to add an image as background image of a web page?</h1>

</body>

</html>

Output:



Question-6

Create a web page to print paragraph with 4-5 sentences,each sentence shall have a different font

Input:

<html>

<body>

<p>

A web page is a document on the web that is accessed in a web browser. A website typically consists of many web pages linked together under a common domain name. The term “web page” is thus a metaphor of paper pages bound together into a book.

Each web page is identified by a distinct uniform resource locator(URL). When the user inputs a URL into their web browser, the browser retrieves the necessary content from a web server and then transforms it into an interactive visual representation on the user’s screen.

If the user clicks or taps a link, the browser repeats this process to load the new URL, which could be part of the current website or a different one. The browser has features, such as the address bar, that indicate which page is displayed.

A web page is a structured document. The core element is a text file written in the HyperText Markup Language(HTML). This specifies the content of the page, including images and video. Cascading Style Sheets(CSS) specify the presentation of the page. CSS rules can be in separate text files or embedded within the HTML file.

</p>

</body>

</html>

Output:

A web page is a document on the Web that is accessed in a web browser. A website typically consists of many web pages linked together under a common domain name. The term "web page" is thus a metaphor of paper pages bound together into a book. Each web page is identified by a distinct Uniform Resource Locator(URL). When the user inputs a URL into their web browser, the browser retrieves the necessary content from a web server and then transforms it into an interactive visual representation on the user's screen. If the user clicks or taps a link, the browser repeats this process to load the new URL, which could be part of the current website or a different one. The browser has features, such as the address bar, that indicate which page is displayed. A web page is a structured document. The core element is a text file written in the HyperText Markup Language(HTML). This specifies the content of the page, including images and video. Cascading Style Sheets (CSS) specify the presentation of the page. CSS rules can be in separate text files or embedded within the HTML file.

Question – 7

Write HTML code to print a paragraph that is description of a book, it shall include the title of the book, its author name; name and title should be undrlined and all adjectives shall be bold and italics

Input:

```
<html>
```

```
<head>
```

```
<title>Student Information</title>
```

```
</head>
```

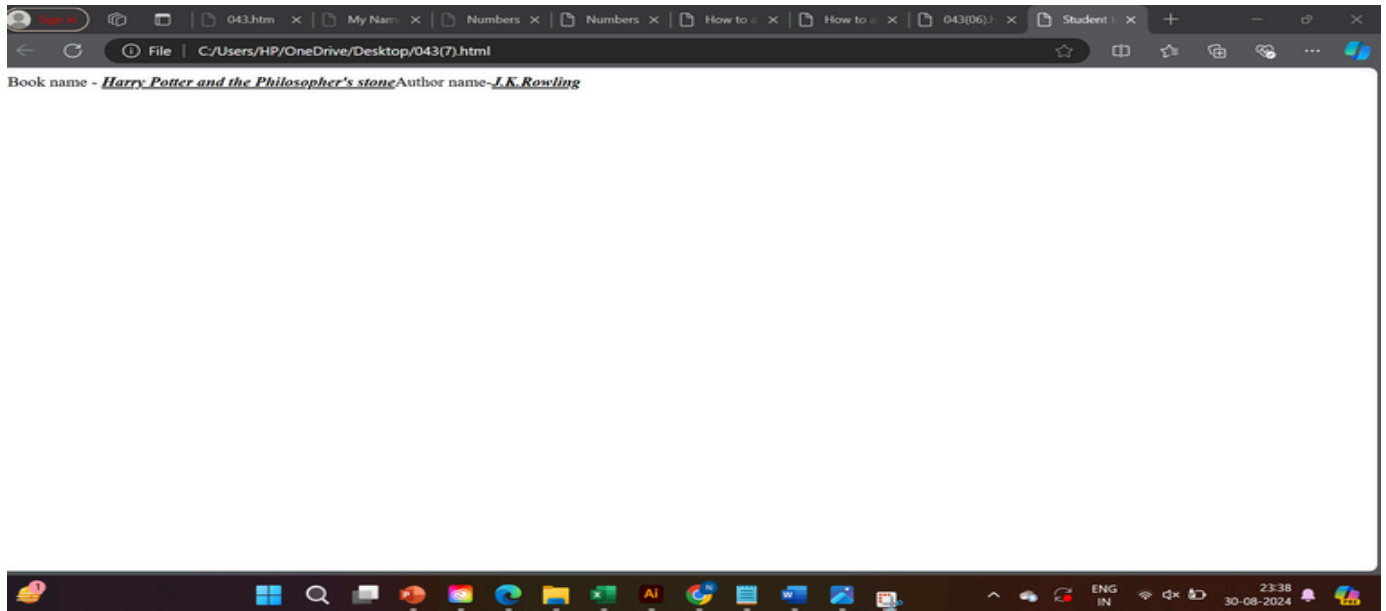
```
<body style="background-color:light green;">
```

```
<p>Book name – <b><u><i>Harry Potter and the Philosopher's stone</b>  
</u></i>Author name-<b><u><i>J.K.Rowling</b></u></i></p>
```

```
</body>
```

```
</html>
```

Output:



Question -8

Write HTML code to print your name using Heading tag, every letter shall be of different heading size

Input:

```
<html>
```

```
<head>
```

```
<title>Heading tag</title>
```

```
</head>
```

```
<body>
```

```
<h1>H</h1>
```

```
<h2>A</h2>
```

```
<h3>N</h3>
```

```
<h4>S</h4>
```

```
<h5>I</h5>
```

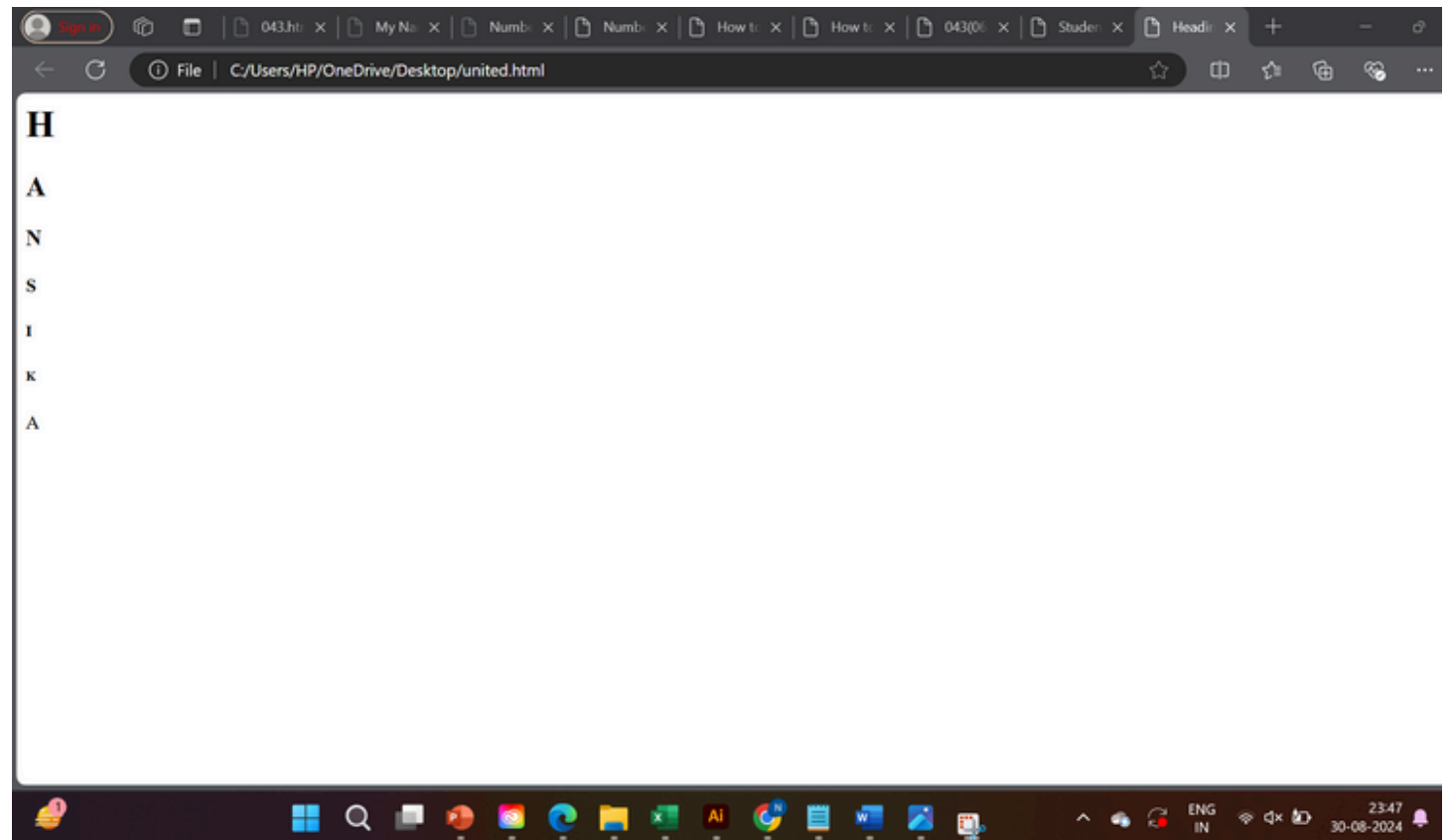
```
<h6>K</h6>
```

```
<h7>A</h7>
```

</body>

</html>

Output:



Question -9

Write HTML code to print the sequence of number 1-20. Each number shall be in different line with number 2 next to it as subscript, an equal sign and the result.

Input:

```
<html>
```

```
<head>
```

```
<title>Heading Tag</title>
```

```
</head>
```

```
<body>
```

```
  <p>1<sub>2</sub>=2</p>
```

```
  <p>2<sub>2</sub>=4</p>
```

```
  <p>3<sub>2</sub>=6</p>
```

```
  <p>4<sub>2</sub>=8</p>
```

```
  <p>5<sub>2</sub>=10</p>
```

```
  <p>6<sub>2</sub>=12</p>
```

```
  <p>7<sub>2</sub>=14</p>
```

```
  <p>8<sub>2</sub>=16</p>
```

```
  <p>9<sub>2</sub>=18</p>
```

```
  <p>10<sub>2</sub>=20</p>
```

```
  <p>11<sub>2</sub>=22</p>
```

```
  <p>12<sub>2</sub>=24</p>
```

```
  <p>13<sub>2</sub>=26</p>
```

```
  <p>14<sub>2</sub>=28</p>
```

```
  <p>15<sub>2</sub>=30</p>
```

$16_2=32$

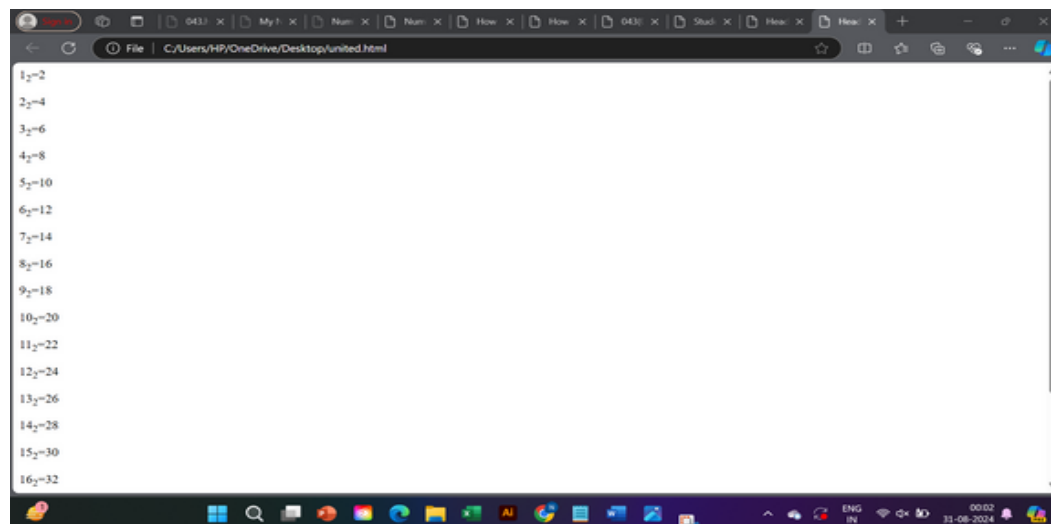
$17_2=34$

$18_2=36$

$19_2=38$

$20_2=40$

Output:



$15_2=30$

$16_2=32$

$17_2=34$

$18_2=36$

$19_2=38$

$20_2=40$

Question – 10

Write HTML code to display an image with border of size with width 200, height 200 pixels, leaving Hspace and Vspace of your choice with image hanging in the right side on the screen.

Input:

```
<html>
```

```
<head>
```

```
<title>Image with Width Attribute</title>
```

```
</head>
```

```
<body>
```

```
<h1>Image of a Tri-colored Tabby Cat (Width: 612px)
```

```
</h1>
```

```
<img src
```

```
= "https://media.istockphoto.com/id/1198100351/photo/portrait-of-  
beautiful-and-fluffy-tri-colored-tabby-cat-at-home-natural-light.jpg?  
s=612x612&w=0&k=20&c=4p4gjq48aYnD9jNQf9yazpGCpn620btJ5H8VJX3  
0Elo=" width="612" alt="Tri-colored Tabby Cat">
```

```
</body>
```

```
</html>
```

Output:

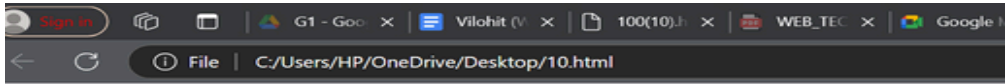
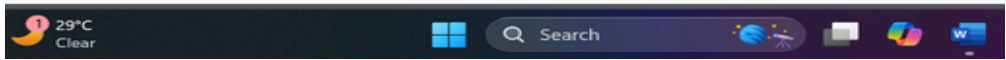


Image of a Tri-colored Tabby Cat (Width: 612px)



Question 11

Write HTML code to create a web page with heading. The heading shall be displayed at the top-center of the page and the image shall be at the centre, just below the heading.

Input :

```
<html>
```

```
<head>web page </head>
```

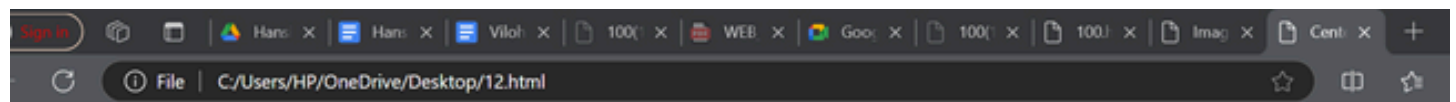
```
<body>
```

```
<center><h1>VIRAT KOHLI</h1></center>
```

```
<center><img src  
="https://im.rediff.com/cricket/2023/jan/17kohli1.jpg"height="300"width  
="300"></center></body>
```

```
</html>
```

Output:



This is a Centered Heading

Centered Image

Question-12

Write HTML code using Multimedia tags.

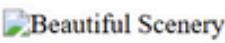
Input:

```
<html>
<head>
<title>Multimedia Example</title>
</head>
<body>
<h2>Image Example</h2>

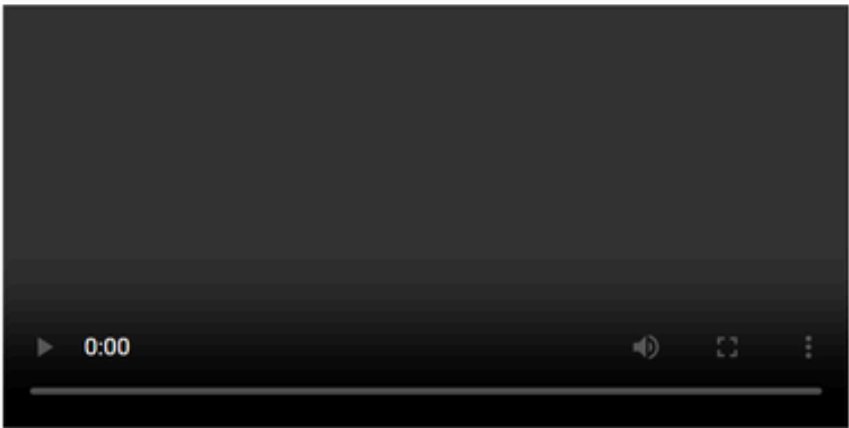
<!-- Embedding a video -->
<h2>Video Example</h2>
<video width="500" controls>
<source src="C:\Users\HP\OneDrive\Desktop\scenery video"
type="video/mp4">
</video>
<!-- Embedding audio -->
<h2>Audio Example</h2>
<audio controls>
<source src="sample-audio.mp3" type="audio/mpeg"
</audio>
</body>
</html>
```

Output:

Image Example



Video Example



Audio Example



Question-13

Create a Table using Rowspan and Colspan taking example of student Record.

Input:

<html>

```
<head>
  <title>Student Record</title>
  <style>
    table {
      width: 80%;
      border-collapse: collapse;
      margin: 20px auto;
    }
    th, td {
      border: 1px solid #000;
      padding: 8px;
      text-align: center;
    }
  </style>
</head>
<body>
  <table>
    <tr>
      <th rowspan="2">Student ID</th>
      <th rowspan="2">Name</th>
      <th colspan="3">Subjects</th>
    </tr>
    <tr>
      <th>Math</th>
      <th>Science</th>
```



```
<th>English</th>
</tr>
<tr>
  <td>1</td>
  <td>Riya</td>
  <td>85</td>
  <td>90</td>
  <td>78</td>
</tr>
<tr>
  <td>2</td>
  <td>Priya</td>
  <td>88</td>
  <td>92</td>
  <td>80</td>
</tr>
</table>
</body>
</html>
```

Output:

Student ID	Name	Subjects		
		Math	Science	English
1	Riya	85	90	78
2	Priya	88	92	80

Question-14

Write HTML code using table tag <table> and cellpadding and cellspacing as its attributes.

Input:

```
<html>
```

```
<head>
```

```
<title>Student Record Table</title>
```

```
<style>
```

```
table {
  border: 1px solid #000;
  margin: 20px auto;
  border-collapse: collapse;
}
th, td {
  border: 1px solid #000;
  padding: 10px;
  text-align: center;
}
</style>
</head>
<body>
  <table cellpadding="10" cellspacing="5">
    <tr>
      <th>Student ID</th>
      <th>Name</th>
      <th>Math</th>
      <th>Science</th>
      <th>English</th>
    </tr>
    <tr>
      <td>1</td>
      <td>Riya</td>
      <td>85</td>
```

<td>90</td>

<td>78</td>

</tr>

<tr>

<td>2</td>

<td>Zaen</td>

<td>88</td>

<td>92</td>

<td>80</td>

</tr>

</table>

</body>

</html>

Output:

Student ID	Name	Math	Science	English
1	Riya	85	90	78
2	Zaen	88	92	80

Question-15

Create unordered, ordered and definition Lists taking example of your subjects in MCA IST, IInd and IIInd Semester.

Input:

<html>

```
<head>
  <title>MCA Subjects</title>
</head>
<body>
  <h1>MCA IST Subjects</h1>
  <!-- Unordered List -->
  <h2>IInd Semester Subjects</h2>
  <ul>
    <li>Database Management Systems</li>
    <li>Data Structures and Algorithms</li>
    <li>Software Engineering</li>
    <li>Web Technologies</li>
  </ul>
  <!-- Ordered List -->
  <h2>IIInd Semester Subjects</h2>
  <ol>
    <li>Operating Systems</li>
    <li>Computer Networks</li>
    <li>Mobile Application Development</li>
    <li>Artificial Intelligence</li>
  </ol>
  <!-- Definition List -->
  <h2>Subject Definitions</h2>
  <dl>
    <dt>Database Management Systems</dt>
```

<dd>A system for creating and managing databases.</dd>

<dt>Data Structures and Algorithms</dt>

<dd>The study of data organization and the algorithms that operate on them.</dd>

<dt>Software Engineering</dt>

<dd>The application of engineering principles to software development.</dd>

<dt>Web Technologies</dt>

<dd>Technologies used for developing web applications.</dd>

<dt>Operating Systems</dt>

<dd>The software that manages computer hardware and software resources.</dd>

<dt>Computer Networks</dt>

<dd>The study of interconnecting computers to share resources.</dd>

<dt>Mobile Application Development</dt>

<dd>The process of creating software applications for mobile devices.</dd>

<dt>Artificial Intelligence</dt>

<dd>The simulation of human intelligence processes by machines.</dd>

</dl>

</body>

</html>

Output:

MCA IST Subjects

IIInd Semester Subjects

- Database Management Systems
- Data Structures and Algorithms
- Software Engineering
- Web Technologies

IIIrd Semester Subjects

1. Operating Systems
2. Computer Networks
3. Mobile Application Development
4. Artificial Intelligence

Subject Definitions

Database Management Systems

A system for creating and managing databases.

Data Structures and Algorithms

The study of data organization and the algorithms that operate on them.

Software Engineering

The application of engineering principles to software development.

Web Technologies

Technologies used for developing web applications.

Operating Systems

The software that manages computer hardware and software resources.

Computer Networks

Computer Networks

The study of interconnecting computers to share resources.

Mobile Application Development

The process of creating software applications for mobile devices.

Artificial Intelligence

The simulation of human intelligence processes by machines.

Question-16

Write HTML code using <frameset> and <frame> tag with all its attributes

Input:

```
<html>
```

```
<head>
```

```
    <title>Frameset Example</title>
```

```
</head>
```

```
<frameset rows="50%,50%" border="2" frameborder="yes"
framespacing="5">
```

```
    <frame src="header.html" name="header" scrolling="no" noresize>
```



```
<frame src="content.html" name="content" scrolling="yes">
</frameset>
<noframes>
  <body>
    <p>Your browser does not support frames. Please consider updating
your browser.</p>
  </body>
</noframes>
</html>
```

Output:

Student ID	Name	Subjects		
		Math	Science	English
1	Riya	85	90	78
2	Priya	88	92	80

Student ID	Name	Math	Science	English
1	Riya	85	90	78
2	Zaen	88	92	80

Question-17

Write HTML code to design a form in HTML using controls and buttons such as Teaxtbox, Textarea

Input:

```
<html>
```

```
<head>
```

```
  <title>Sample Form</title>
```

```
  <style>
```

```
    body {
```

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

```
      margin: 20px;
```

```
    }
```

```
    form {
```

```
      max-width: 400px;
```

```
      margin: auto;
```

```
    }
```

```
    label {
```

```
      display: block;
```

```
      margin-top: 10px;
```

```
    }
```

```
input, textarea, select {
    width: 100%;
    padding: 8px;
    margin-top: 5px;
    box-sizing: border-box;
}
button {
    margin-top: 10px;
    padding: 10px;
    background-color: #4CAF50;
    color: white;
    border: none;
    cursor: pointer;
}
button:hover {
    background-color: #45a049;
}
</style>
</head>
<body>
    <h1>Feedback Form</h1>
    <form action="/submit" method="post">
        <label for="name">Name:</label>
        <input type="text" id="name" name="name" \>
```

```
<label for="email">Email:</label>
<input type="email" id="email" name="email" \>
<label for="feedback">Feedback:</label>
<textarea id="feedback" name="feedback" rows="4" ></textarea>
<label>Preferred Contact Method:</label>
<input type="radio" id="phone" name="contact" value="phone">
<label for="phone">Phone</label>
<input type="radio" id="email_contact" name="contact" value="email"
checked>
<label for="email_contact">Email</label>
<label>Subscribe to Newsletter:</label>
<input type="checkbox" id="subscribe" name="subscribe" value="yes">
<label for="subscribe">Yes, I want to receive updates</label>
<button type="submit">Submit</button>
</form>
</body>
</html>
```

Output:

Feedback Form

Name:

Email:

Feedback:

Preferred Contact Method:

Phone ☐

Email ☒

Subscribe to Newsletter: ☐

Yes, I want to receive updates

Question-18

Write HTML code to design a Registration Form in HTML.

Input:

<html>

```
<head>
```

```
<title>Registration Form</title>
```

```
<style>
```

```
body {
```

```
    font-family: Arial;
```

```
    margin: 20px;
```

```
    background-color: White;
```

```
}
```

```
form {
```

```
    max-width: 500px;
```

```
    margin: auto;
```

```
    background: white;
```

```
    padding: 20px;
```

```
    border-radius: 5px;
```

```
    box-shadow: 0 0 10px
```

```
}
```

```
label {
```

```
    display: block;
```

```
    margin-top: 10px;
```

```
}
```

```
input, select, textarea {
```

```
    width: 100%;
```

```
    padding: 8px;
```

```
    margin-top: 5px;
```

```
    box-sizing: border-box;
```

```
}  
button {  
    margin-top: 10px;  
    padding: 10px;  
    background-color: Black;  
    color: white;  
    border: none;  
    cursor: pointer;  
    width: 100%;  
}  
button:hover {  
    background-color: Blue;  
}  
</style>  
</head>  
<body>  
    <h1>Registration Form</h1>  
    <form action="/submit" method="post">  
        <label for="username">Username:</label>  
        <input type="text" id="username" name="username" required>  
        <label for="email">Email:</label>  
        <input type="email" id="email" name="email" required>  
        <label for="password">Password:</label>  
        <input type="password" id="password" name="password" required>  
        <label for="confirm-password">Confirm Password:</label>
```

```
<input type="password" id="confirm-password" name="confirm-
password" required>
<label for="dob">Date of Birth:</label>
<input type="date" id="dob" name="dob" required>
<label for="gender">Gender:</label>
<select id="gender" name="gender" required>
  <option value="">Select Gender</option>
  <option value="male">Male</option>
  <option value="female">Female</option>
  <option value="other">Other</option>
</select>
<label for="address">Address:</label>
<textarea id="address" name="address" rows="4" required></textarea>
<label for="phone">Phone Number:</label>
<input type="tel" id="phone" name="phone" required>
<button type="submit">Register</button>
</form>
</body>
</html>
```

Output:

Registration Form

A registration form with the following fields:

- Username:
- Email:
- Password:
- Confirm Password:
- Date of Birth:
- Gender:
- Address:

A registration form with the following fields:

- Gender:
- Address:
- Phone Number:
-

Question-19

Write HTML code to design a student admission Form in HTML.

Input:

```
<html>
```

```
<head>
```

```
  <title>Student Admission Form</title>
```

```
  <style>
```

```
    body {
```

```
font-family: Arial;  
margin: 20px;  
background-color: Green;  
}
```

```
form {  
    max-width: 600px;  
    margin: auto;  
    background: white;  
    padding: 20px;  
    border-radius: 5px;  
    box-shadow: 0 0 10px ;  
}
```

```
label {  
    display: block;  
    margin-top: 10px;  
}
```

```
input, select, textarea {  
    width: 100%;  
    padding: 8px;  
    margin-top: 5px;  
    box-sizing: border-box;  
}
```

```
button {  
    margin-top: 10px;  
    padding: 10px;
```

```
background-color: White;
color: white;
border: none;
cursor: pointer;
width: 100%;
}
button:hover {
    background-color: Red;
}
</style>
</head>
<body>
    <h1>Student Admission Form</h1>
    <form action="/submit" method="post">
        <label for="fullName">Full Name:</label>
        <input type="text" id="fullName" name="fullName" \>
        <label for="dob">Date of Birth:</label>
        <input type="date" id="dob" name="dob" \>
        <label for="gender">Gender:</label>
        <select id="gender" name="gender" \>
            <option value="">Select Gender</option>
            <option value="male">Male</option>
            <option value="female">Female</option>
            <option value="other">Other</option>
        </select>
```

<label for="address">Address:</label>

<textarea id="address" name="address" rows="4" ></textarea>

<label for="email">Email:</label>

<input type="email" id="email" name="email" \>

<label for="phone">Phone Number:</label>

<input type="Number" id="phone" name="phone" \>

<label for="course">Course Applied For:</label>

<select id="course" name="course" required>

<option value="">Select Course</option>

<option value="bsc">B.Sc</option>

<option value="msc">M.Sc</option>

<option value="bcom">B.Com</option>

<option value="mcom">M.Com</option>

<option value="bca">BCA</option>

<option value="mca">MCA</option>

</select>

<label for="previousSchool">Previous School/College:</label>

<input type="text" id="previousSchool" name="previousSchool" required>

<label for="academicYear">Academic Year:</label>

<select id="academicYear" name="academicYear" required>

<option value="">Select Academic Year</option>

<option value="2024">2024</option>

<option value="2025">2025</option>

```
<option value="2026">2026</option>
</select>
```

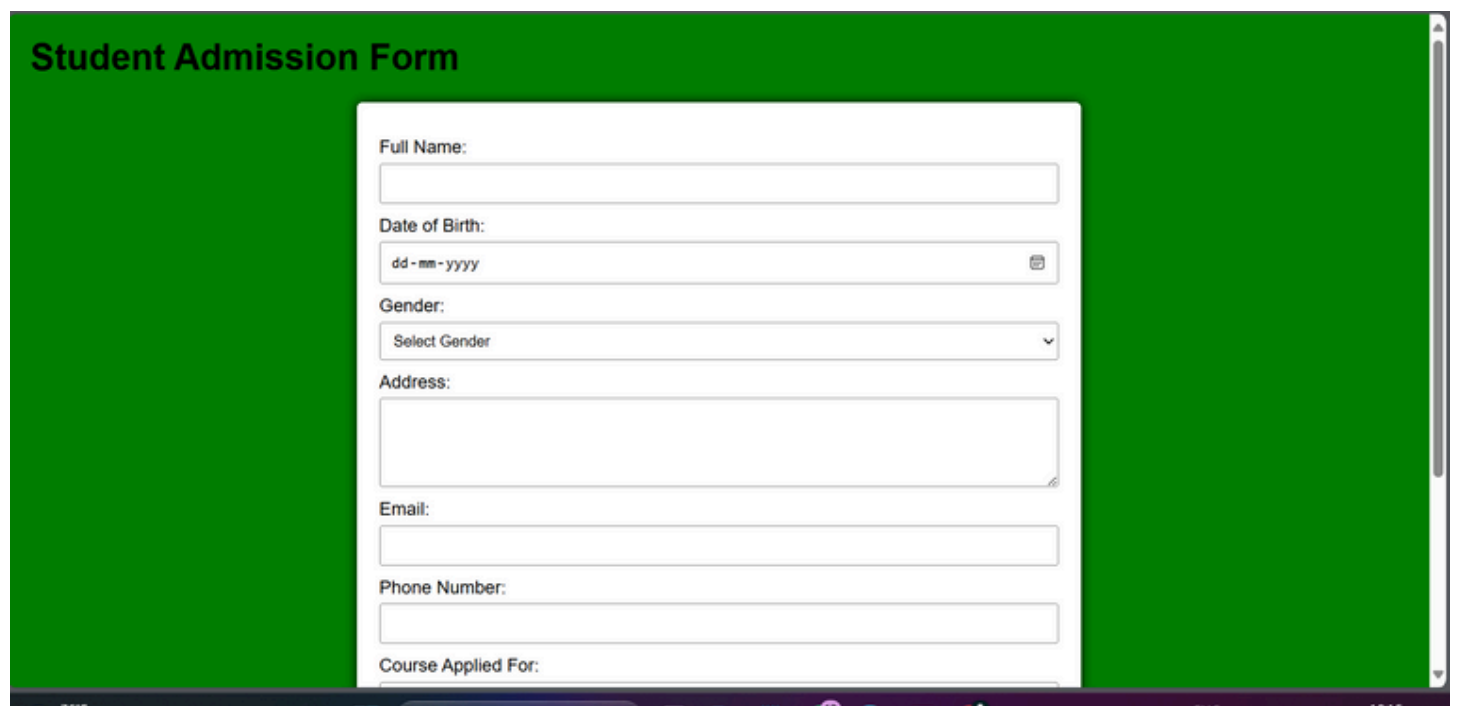
```
<button type="submit">Submit Application</button>
```

```
</form>
```

```
</body>
```

```
</html>
```

Output:



Question-20

Create a proper home page of your own using any components and styles.

Input:

```
<html>
```

```
<head>
```

```
  <title>My Homepage</title>
```

```
  <style>
```

```
    body {
```

```
      font-family: Arial;
```

```
      margin: 0;
```

```
      padding: 0;
```

```
      background-color: White;
```

```
    }
```

```
    header {
```

```
      background: White;
```

```
      color: white;
```

```
      padding: 10px 0;
```

```
      text-align: center;
```

```
    }
```

```
    nav {
```

```
      margin: 0;
```

```
padding: 10px 0;
}
nav a {
  color: white;
  margin: 0 15px;
  text-decoration: none;
  font-weight: bold;
}
nav a:hover {
  text-decoration: underline;
}
.hero {
  height: 400px;
  display: flex;
  align-items: center;
  justify-content: center;
  color: white;
  text-shadow: 2px 2px 4px;
}
.hero h1 {
  font-size: 3em;
}
.container {
  padding: 20px;
}
```

```
.section {  
    margin: 20px 0;  
    padding: 20px;  
    background: white;  
    border-radius: 5px;  
    box-shadow: 0 0 10px;  
}
```

```
footer {  
    background: Red;  
    color: white;  
    text-align: center;  
    padding: 10px 0;  
    position: relative;  
    bottom: 0;  
    width: 100%;  
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<header>
```

```
<h1>Welcome to My Homepage</h1>
```

```
<nav>
```

```
<a href="#about">About</a>
```

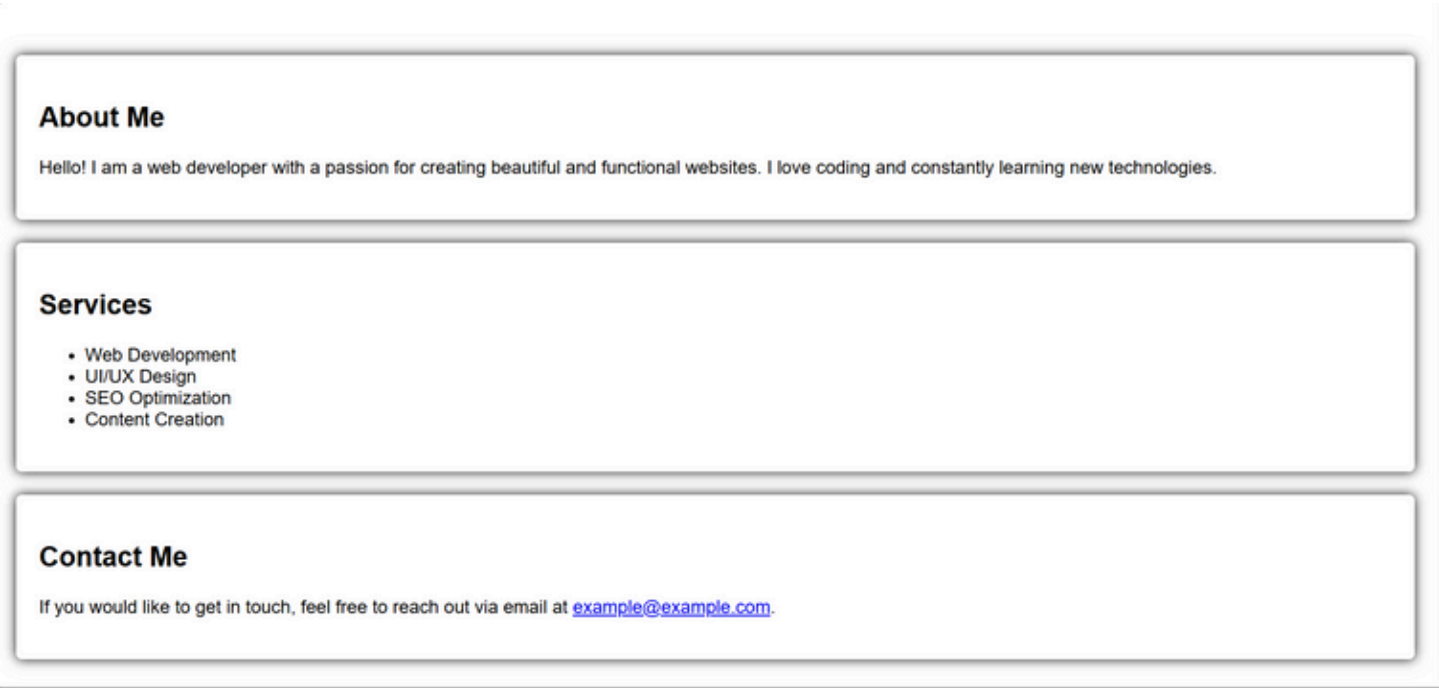
```
<a href="#services">Services</a>
```



```
    <a href="#contact">Contact</a>
</nav>
</header>
<div class="hero">
    <h1>Your Journey Begins Here</h1>
</div>
<div class="container">
    <div id="about" class="section">
        <h2>About Me</h2>
        <p>Hello! I am a web developer with a passion for creating beautiful
and functional websites. I love coding and constantly learning new
technologies.</p>
    </div>
    <div id="services" class="section">
        <h2>Services</h2>
        <ul>
            <li>Web Development</li>
            <li>UI/UX Design</li>
            <li>SEO Optimization</li>
            <li>Content Creation</li>
        </ul>
    </div>
    <div id="contact" class="section">
        <h2>Contact Me</h2>
        <p>If you would like to get in touch, feel free to reach out via email at
<a href="mailto:example@example.com">example@example.com</a>.
```

```
</p>
  </div>
</div>
<footer>
  <p>&copy; 2024 My Homepage. All rights reserved.</p>
</footer>
</body>
</html>
```

Output:



Question-21

Write HTML code for including Local hyperlinking in a web page.

Input:

```
<html>
<head>
    <title>Local Hyperlinking Example</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            margin: 20px;
        }
        section {
            margin-bottom: 40px;
        }
    </style>
</head>
<body>
    <h1>Local Hyperlinking Example</h1>
```

```
<ul>
  <li><a href="#section1">Go to Section 1</a></li>
  <li><a href="#section2">Go to Section 2</a></li>
  <li><a href="#section3">Go to Section 3</a></li>
</ul>
<section id="section1">
  <h2>Section 1</h2>
  <p>This is the content of section 1.</p>
  <a href="#top">Back to Top</a>
</section>
<section id="section2">
  <h2>Section 2</h2>
  <p>This is the content of section 2.</p>
  <a href="#top">Back to Top</a>
</section>
<section id="section3">
  <h2>Section 3</h2>
  <p>This is the content of section 3.</p>
  <a href="#top">Back to Top</a>
</section>
</body>
</html>
```

Output:

Local Hyperlinking Example

- [Go to Section 1](#)
- [Go to Section 2](#)
- [Go to Section 3](#)

Section 1

This is the content of section 1.

[Back to Top](#)

Section 2

This is the content of section 2.

[Back to Top](#)

Section 3

This is the content of section 3.

[Back to Top](#)

Write HTML code for including Inter hyperlinking in a web page.

Input:

```
<html>
```

```
<head>
```

```
  <title>Interlinking Example</title>
```

```
  <style>
```

```
    body {
```

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

```
    }
```

```
    section {
```

```
      margin: 20px 0;
```

```
    }
```

```
    nav {
```

```
      margin-bottom: 20px;
```

```
    }
```

```
  </style>
```

```
</head>
```

```
<body>
```

```
<nav>
```

```
  <ul>
```

```
    <li><a href="#section1">Go to Section 1</a></li>
```

```
    <li><a href="#section2">Go to Section 2</a></li>
```

```
    <li><a href="#section3">Go to Section 3</a></li>
```

```
  </ul>
```

```
</nav>
```

```
<section id="section1">
  <h2>Section 1</h2>
  <p>This is the first section of the page. You can link to other sections
using the navigation above.</p>
  <a href="#top">Back to Top</a>
</section>
<section id="section2">
  <h2>Section 2</h2>
  <p>This is the second section. Use the navigation to jump to other
sections.</p>
  <a href="#top">Back to Top</a>
</section>
<section id="section3">
  <h2>Section 3</h2>
  <p>This is the third section. Don't forget to check out the other sections!
</p>
  <a href="#top">Back to Top</a>
</section>

<a id="top"></a>
</body>
</html>
```

Output:

- [Go to Section 1](#)
- [Go to Section 2](#)
- [Go to Section 3](#)

Section 1

This is the first section of the page. You can link to other sections using the navigation above.

[Back to Top](#)

Section 2

This is the second section. Use the navigation to jump to other sections.

[Back to Top](#)

Section 3

This is the third section. Don't forget to check out the other sections!

[Back to Top](#)

Question-23

Write HTML code for including External hyperlinking in a web page.

Input:

```
<html>
```

```
<head>
```

```
  <title>External Hyperlinking Example</title>
```



```
<style>
  body {
    font-family: Arial, sans-serif;
  }
  a {
    color: blue;
    text-decoration: none;
  }
  a:hover {
    text-decoration: underline;
  }
</style>
</head>
<body>

<h1>Welcome to My Web Page</h1>
<p>Here are some useful external links:</p>
<ul>
  <li><a href="https://www.wikipedia.org" target="_blank" rel="noopener
noreferrer">Visit Wikipedia</a> – A free online encyclopedia.</li>
  <li><a href="https://www.github.com" target="_blank" rel="noopener
noreferrer">Check out GitHub</a> – A platform for version control and
collaboration.</li>
  <li><a href="https://www.openai.com" target="_blank" rel="noopener
noreferrer">Learn about OpenAI</a> – An AI research organization.</li>
</ul>
```

<p>Feel free to explore the links above!</p>

</body>

</html>

Output:

Welcome to My Web Page

Here are some useful external links:

- [Visit Wikipedia](#) - A free online encyclopedia.
- [Check out GitHub](#) - A platform for version control and collaboration.
- [Learn about OpenAI](#) - An AI research organization.

Feel free to explore the links above!

Question-24

Write code to show External CSS with HTML code.

Input:

<html>

<head>

<title>External CSS Example</title>

<link rel="stylesheet" href="styles.css"> <!-- Linking external CSS -->

</head>

<body>

<style>

```
body{
  background-color: #f0f0f0;
  font-family: Arial, sans-serif;
}
h1{
  color: #333;
  text-align: center;
}
p{
  color: #555;
  font-size: 18px;
  padding: 20px;
}
</style>
<h1>Welcome to My Website</h1>
<p>This is a simple example of using external CSS with HTML.</p>
</body>
</html>
```

Output:

Welcome to My Website

This is a simple example of using external CSS with HTML.

Question-25

Write code to show Internal CSS with HTML code.

Input:

```
<html>
<head>
  <title>Internal CSS Example</title>
  <style>
    body{
      background-color:Wite;
      font-family: Arial, sans-serif;
    }
    h1{
      color:Red;
      text-align: center;
    }
    p{
      color:Blue;
```

```
    font-size: 18px;
    padding: 20px;
}
</style>
</head>
<body>
  <h1>Welcome to My Website</h1>
  <p>This is a simple example of using internal CSS with HTML.</p>
</body>
</html>
```

Output:

Welcome to My Website

This is a simple example of using internal CSS with HTML.

Question-26

Write code to show Inline CSS with HTML code.

Input:

```
<html>
```

```
<head>
```

```
  <title>Inline CSS Example</title>
```

```
</head>
```

```
<body style="background-color: Black; font-family: Arial, sans-serif;">
```

```
  <h1 style="color:White; text-align: center;">Welcome to My  
Website</h1>
```

```
  <p style="color: White; font-size: 25px; padding: 30px;">
```

```
    This is a simple example of using inline CSS with HTML.
```

```
  </p>
```

```
</body>
```

```
</html>
```

Output:

Welcome to My Website

This is a simple example of using inline CSS with HTML.

Question-27

Write a program to add two numbers using form in JavaScript.

Input:

```
<html>
```

```
<head>
```

```
<title>Add Two Numbers</title>
```

```
<script>
```

```
function addNumbers() {
```

```
var num1 = parseFloat(document.getElementById('num1').value);
```

```
var num2 = parseFloat(document.getElementById('num2').value);
```

```
if (isNaN(num1) || isNaN(num2)) {
```

```
  alert("Please enter valid numbers.");
```

```
} else {
```

```
  var sum = num1 + num2;
```

```
document.getElementById('result').innerHTML = "Result: " + sum;
    }
}
</script>
</head>
<body>
    <h1>Simple Addition Form</h1>

    <!-- Form to input two numbers -->
    <form onsubmit="event.preventDefault(); addNumber
<label for="num1">Number 1:</label>
<input type="number" id="num1" required><br><br>

    <label for="num2">Number 2:</label>
    <input type="number" id="num2" required><br><br>

    <button type="submit">Add Numbers</button>
    </form>

    <div id="result"></div>
</body>
</html>
```

Output:

Simple Addition Form

Number 1:

Number 2:

Add Numbers

Question-28

Write a program in JavaScript to swap two images using on mouseover event.

Input:

```
<html>
```

```
<head>
```

```
<title>Swap Images on Mouseover</title>
```

```
<style>
```

```
img {
```

```
    width: 300px; /* Set a fixed size for the images */
```

```
    height: auto;
```

```
    cursor: pointer;
```

```
    transition: all 0.3s ease;
```

```
}
```

```
</style>
```

```
<script>
```

```
function swapImages() {
```

```
    var image1 = document.getElementById('image1');
```

```
    var image2 = document.getElementById('image2');
```

```
    var tempSrc = image1.src;
```

```
    image1.src = image2.src;
```

```
        image2.src = tempSrc;
    }
</script>
</head>
<body>
    <h1>Swap Images on Mouseover</h1>

    <p>Hover over the first image to swap them.</p>
</body>
</html>
```

Output:

Swap Images on Mouseover

 Image 1

 Image 2

Hover over the first image to swap them.

Question-29

Write a simple JavaScript program to sort an array

Input:

```
<html>
```

```
<head>
```

```
<title>Sort an Array in JavaScript</title>
```

```
<script>
```

```
function sortArray() {
```

```
var arr = [5, 3, 8, 1, 2, 7];
```

```
arr.sort(function(a, b) {
```

```
    return a - b;
```

```
document.getElementById('result').innerHTML = "Sorted Array: " + arr;
```

```
}
```

```
</script>
```

```
</head>
```

```
<body>
```

```
<h1>Sort an Array in JavaScript</h1>
```

```
<button onclick="sortArray()">Sort Array</button>
```

```
<p id="result"></p>
```

```
</body>
```

</html>

Output:

Sort an Array in JavaScript

Sort Array

Question-30

Write a JavaScript program to take as input three numbers from the user. Find the minimum and maximum of the three numbers. Print the following output in BOLD in the following format:

MINIMUM = MAXIMUM =

Input:

```
<html>
```

```
<head>
```

```
<title>Find Minimum and Maximum</title>
```

```
<script>
```

```
function findMinMax() {
```

```
var num1 = parseFloat(document.getElementById('num1').value);
```

```
var num2 = parseFloat(document.getElementById('num2').value);
```

```
var num3 = parseFloat(document.getElementById('num3').value);
```

```
var min = Math.min(num1, num2, num3);
```

```
var max = Math.max(num1, num2, num3);
```

```
document.getElementById('minOutput').innerHTML = "<b>MINIMUM = " +  
min + "</b>";
```

```
document.getElementById('maxOutput').innerHTML = "<b>MAXIMUM = " +  
max + "</b>";
```

```
}
```

```
</script>
```

```
</head>
<body>
<h1>Find Minimum and Maximum of Three Numbers</h1>

<label for="num1">Enter first number:</label>
<input type="number" id="num1" required><br><br>

<label for="num2">Enter second number:</label>
<input type="number" id="num2" required><br><br>

<label for="num3">Enter third number:</label>
<input type="number" id="num3" required><br><br>

<button onclick="findMinMax()">Find Min and Max</button>

<p id="minOutput"></p>
<p id="maxOutput"></p>
</body>
</html>
```

Output:

Find Minimum and Maximum of Three Numbers

Enter first number:

Enter second number:

Enter third number:

MINIMUM = 6

MAXIMUM = 12