

WEB APPLICATION DEVELOPMENT LAB

BCA-DS-304

Manav Rachna International Institute of Research and Studies

School of Computer Applications

Department of Computer Applications

Submitted By	
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Semester	3rd Semester
Section/Group	3D
Department	Computer Applications
Batch	2023-26
Submitted To	
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S. No.	Date	Aim of the Experiment	Signature/Date	Grad e
1	25/10/202 4	Create a simple HTML page using basic tags.		
2	25/10/202 4	Create a web page that displays your name to the screen.		
3	26/10/202 4	Create a web page and show the output from 1 to 10 in separate lines.		
4	26/10/202 4	Create a web page and show the output from 1 to 10 in separate lines, each number being in different color.		
5	26/10/202 4	How do I make a picture as a background on my web pages?		
6	27/10/202 4	Create a web page to print a paragraph with 4-5 sentences, each sentence shall have a different font.		
7	27/10/202 4	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 underlined and all adjectives shall be bold and Italics.		

8	27/10/202 4	Write HTML code to print your name using Heading tag, every letter shall be of different heading size		
9	28/10/202 4	Write HTML code to print the sequence of numbers 1-20. Each number shall be in different line with number 2 next to it as subscript, an equal sign and the result		
10	28/10/202 4	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		
11	29/10/202 4	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 center, just below the heading.		
12	29/10/202 4	Write HTML code using Multimedia tags.		
13	29/10/202 4	Create a Table using Rowspan and Colspan		

		taking example of student Record.		
14	30/10/202 4	Write HTML code using table tag <table> and cellpadding and cellspacing as its attributes.		
15	30/10/202 4	Create unordered, ordered and definition Lists taking example of your subjects in MCA IST, IInd and IIIrd Semester.		
16	30/10/202 4	Write HTML code using <frameset> and <frame> tag with all its attributes		
17	31/10/202 4	Write HTML code to design a form in HTML using controls and buttons such as Teaxtbox, Textarea, password, submit button, browse button, drop-down menu		
18	31/10/202 4	Write HTML code to design a Registration Form in HTML		
19	31/10/202 4	Write HTML code to design a student admission Form in HTML.		

20	1/11/2024	Create a proper home page of your own using any components and styles.		
21	1/11/2024	Write HTML code for including Local hyperlinking in a web page.		
22	1/11/2024	Write HTML code for including Inter hyperlinking in a web page.		
23	2/11/2024	Write HTML code for including External hyperlinking in a web page.		
24	2/11/2024	Write code to show External CSS with HTML code.		
25	3/11/2024	Write code to show Internal CSS with HTML code.		
26	3/11/2024	Write code to show Inline CSS with HTML code.		
27	3/11/2024	Write a program to add two numbers using form in Javascript.		
28	4/11/2024	Write a program in Javascript to swap two		

		images using OnmouseOver event.		
29	4/11/2024	Write a simple JavaScript program to sort an array.		
30	5/11/2024	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:		

Experiment :1

Student Name: Rahul Joshi
23/SCA/BCA/(CS)/030

Create a simple HTML page using basic tags.

```
<!DOCTYPE html>
<html>
<head>
    <title>My First HTML Page</title>
</head>
<body>
    <h1>Welcome to My First HTML Page</h1>
    <p>This is a paragraph of text on my webpage.</p>
    <a href="https://www.google.com">Click here to Google</a>
</body>
</html>
```

Output :

Welcome to My First HTML Page

This is a paragraph of text on my webpage.

[Click here to Google](https://www.google.com)

Experiment : 2

Student Name: Rahul Joshi

23/SCA/BCA/(CS)/030

Create a web page that displays your name to the screen.

```
2 <html>
3 <head>
4
5 <title>Display My Name</title>
6 </head>
7 <body>
8 <h1>Rahul joshi </h1>
9 </body>
```

Output:

Experiment :3

Student Name: Rahul Joshi
23/SCA/BCA/(CS)/030

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

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4     <title>Numbers from 1 to 10</title>
5 </head>
6 <body>
7     <h1>Numbers from 1 to 10</h1>
8     <p>1</p>
9     <p>2</p>
10    <p>3</p>
11    <p>4</p>
12    <p>5</p>
13    <p>6</p>
14    <p>7</p>
15    <p>8</p>
16    <p>9</p>
17    <p>10</p>
18 </body>
19 </html>
20
```

Output:

Numbers from 1 to 10

1
2
3
4
5
6
7
8
9
10

Experiment : 4

Student Name: Rahul Joshi
23/SCA/BCA/(CS)/030

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

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>Numbers from 1 to 10 in Different Colors</title>
5  <style>
6      .number1 { color: red; }
7      .number2 { color: orange; }
8      .number3 { color: yellow; }
9      .number4 { color: green; }
10     .number5 { color: blue; }
11     .number6 { color: indigo; }
12     .number7 { color: violet; }
13     .number8 { color: pink; }
14     .number9 { color: brown; }
15     .number10 { color: gray; }
16  </style>
17 </head>
18 <body>
19     <h1>Numbers from 1 to 10 in Different Colors</h1>
20     <p class="number1">1</p>
21     <p class="number2">2</p>
22     <p class="number3">3</p>
23     <p class="number4">4</p>
24     <p class="number5">5</p>
25     <p class="number6">6</p>
26     <p class="number7">7</p>
27     <p class="number8">8</p>
28     <p class="number9">9</p>
29     <p class="number10">10</p>
30 </body>
31 </html>
32
```

Output:

Numbers from 1 to 10

1

2

3

4

5

6

7

8

9

10

Experiment :5

Student Name: Rahul Joshi
23/SCA/BCA/(CS)/030

How do I make a picture as a background on my web pages?

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Background Image Example</title>
5   <style>
6     body {
7       background-color: #f0f0f0;
8       background-image: url('https://www.w3schools.com/html/tinycat.jpg');
9       background-repeat: no-repeat;
10      background-size: cover;
11      background-position: center;
12    }
13  </style>
14 </head>
15 <body>
16   <h1>Welcome to My Page with a Background Image</h1>
17   <p>This is an example of how to set a background image for your webpage.</p>
18 </body>
19 </html>
20 |
```



Welcome to My Page with a Background Image

This is an example of how to set a background image for your webpage.

Output:

Experiment : 6

Student Name: Rahul Joshi
23/SCA/BCA/(CS)/030

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

```
<title>Paragraph with Different Fonts</title>
<style>
.font1 { font-family: 'Arial', sans-serif; }
.font2 { font-family: 'Courier New', Courier, monospace; }
.font3 { font-family: 'Georgia', serif; }
.font4 { font-family: 'Lucida Console', 'Courier New', monospace; }
.fonts { font-family: 'Times New Roman', Times, serif; }
</style>
</head>
<body>
<h1>Paragraph with Different Fonts</h1>
<p>
<span class="font1">My name is Rahul joshi</span><br />
<span class="font2">I live in delhi, India.</span><br />
<span class="font3">I love to play sports.</span><br />
```

Output:

Paragraph with Different Fonts

My name is Kshitij Deshwal
I live in Faridabad, Haryana, India.
I love to drive cars.
I'm a quick learner with a passion for problem-solving and a knack for coding.
I want to become an F1 Racer.

Experiment : 7

Student Name: Rahul Joshi
23/SCA/BCA/(CS)/030

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 underlined and all adjectives shall be bold and Italics.

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>Book Description</title>
5      <style>
6          .underline { text-decoration: underline; }
7          .bold-italic { font-weight: bold; font-style: italic; }
8      </style>
9  </head>
10 <body>
11     <h1>Book Description</h1>
12     <p>
13         The book <span class="underline">"The Amazing Adventures of Kavalier & Clay"</span>
14         by <span class="underline">Michael Chabon</span> is a <span class="bold-italic">
15             captivating</span> and <span class="bold-italic">vivid</span> story.
16             It weaves a <span class="bold-italic">fantastic</span> tale of two
17             <span class="bold-italic">imaginative</span> young men in New York City during
18             the <span class="bold-italic">vibrant</span> Golden Age of comic books. Their
19             <span class="bold-italic">extraordinary</span>
20             journey unfolds against the backdrop of a world in turmoil, making for a
21             <span class="bold-italic">riveting</span> read.
22     </p>
23 </body>
24 </html>
```

Output:

Book Description

The book "The Amazing Adventures of Kavalier & Clay" by Michael Chabon is a ***captivating*** and ***vivid*** story. It weaves a ***fantastic*** tale of two ***imaginative*** young men in New York City during the ***vibrant*** Golden Age of comic books. Their ***extraordinary*** journey unfolds against the backdrop of a world in turmoil, making for a ***riveting*** read.

Experiment : 8

Student Name: Rahul Joshi

23/SCA/BCA/(CS)/030

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

```
<head>
<title>My Name with Different Heading Sizes</title>
</head>
<body>
<h1>R</h1>
<h2>a</h2>
<h3>h</h3>
<h4>u</h4>
<h5>l</h5>
<h6>j</h6>
<h4>o</h4>
<h1>s</h1>
<h2>h</h2>
<h3>i</h3>
</body>
</html>
```

Output:

Experiment : 9

Student Name: Rahul Joshi
23/SCA/BCA/(CS)/030

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

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4     <title>Sequence of Numbers with Subscript</title>
5 </head>
6 <body>
7     <h3>Numbers 1 to 20</h3>
8     <p>1<sub>2</sub> = 2</p>
9     <p>2<sub>2</sub> = 4</p>
10    <p>3<sub>2</sub> = 6</p>
11    <p>4<sub>2</sub> = 8</p>
12    <p>5<sub>2</sub> = 10</p>
13    <p>6<sub>2</sub> = 12</p>
14    <p>7<sub>2</sub> = 14</p>
15    <p>8<sub>2</sub> = 16</p>
16    <p>9<sub>2</sub> = 18</p>
17    <p>10<sub>2</sub> = 20</p>
18    <p>11<sub>2</sub> = 22</p>
19    <p>12<sub>2</sub> = 24</p>
20    <p>13<sub>2</sub> = 26</p>
21    <p>14<sub>2</sub> = 28</p>
22    <p>15<sub>2</sub> = 30</p>
23    <p>16<sub>2</sub> = 32</p>
24    <p>17<sub>2</sub> = 34</p>
25    <p>18<sub>2</sub> = 36</p>
26    <p>19<sub>2</sub> = 38</p>
27    <p>20<sub>2</sub> = 40</p>
28 </body>
29 </html>
```

Output:

$1_2 = 2$
 $2_2 = 4$
 $3_2 = 6$
 $4_2 = 8$
 $5_2 = 10$
 $6_2 = 12$
 $7_2 = 14$
 $8_2 = 16$
 $9_2 = 18$
 $10_2 = 20$
 $11_2 = 22$
 $12_2 = 24$
 $13_2 = 26$
 $14_2 = 28$
 $15_2 = 30$
 $16_2 = 32$
 $17_2 = 34$
 $18_2 = 36$
 $19_2 = 38$
 $20_2 = 40$

Experiment : 10

Student Name: Rahul Joshi
23/SCA/BCA/(CS)/030

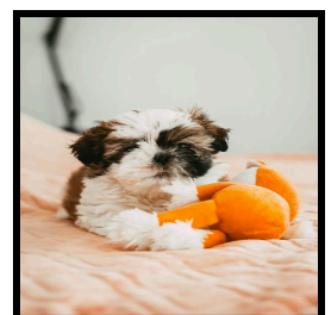
Write HTML code to display an image with border of size with width 200, height 200 pixels, leaving Hspace and Vspace of your choice with image hanging in the right side on the screen.

```
<!DOCTYPE html>
<html>
<head>
    <title>Image with Border and Positioning</title>
    <style>
        .bordered-image {
            width: 200px;
            height: 200px;
            border: 5px solid black;
            margin-left: 20px;
            margin-top: 20px;
            float: right;
        }
    </style>
</head>
<body>
    <h1>Image with Border and Positioning</h1>
    
    <p>This is an example of an image with a border, specific size, and positioned on the right side of the screen.</p>
</body>
</html>
```

Output:

Image with Border and Positioning

This is an example of an image with a border, specific size, and positioned on the right side of the screen.



Experiment : 11

Student Name: Rahul Joshi

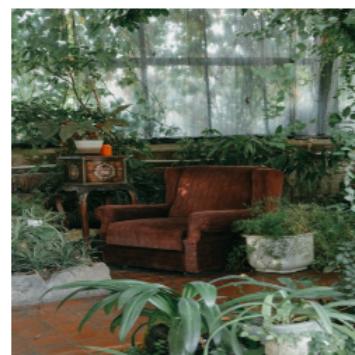
23/SCA/BCA/(CS)/030

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 center, just below the heading

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>Centered Heading and Image</title>
5  <style>
6      body {
7          text-align: center;
8      }
9      .centered-image {
10         display: block;
11         margin-left: auto;
12         margin-right: auto;
13     }
14 </style>
15 </head>
16 <body>
17     <h1>Top-Centered Heading</h1>
18     
20 </body>
21 </html>
22
```

Output:

Top-Centered Heading



Experiment :

Student Name: Rahul Joshi
23/SCA/BCA/(CS)/030

12

Write HTML code using Multimedia tags.

```

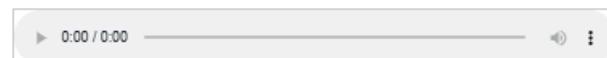
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Multimedia Example</title>
7      <style>
8          /* Add some simple styles */
9          body {
10              font-family: Arial, sans-serif;
11              margin: 20px;
12          }
13          h2 {
14              color: #2c3e50;
15          }
16          .media-container {
17              margin-bottom: 30px;
18          }
19          video, audio {
20              width: 100%;
21              max-width: 600px;
22              border: 2px solid #ccc;
23          }
24      </style>
25  </head>
26  <body>
27
28      <h1>Multimedia Example</h1>
29
30      <!-- Audio Example -->
31      <div class="media-container">
32          <h2>Audio Example</h2>
33          <audio controls>
34              <source src="sample-audio.m4a" type="audio/m4a">
35              Your browser does not support the video tag.
36          </audio>
37      </div>
38
39      <!-- Embedded YouTube Video using iframe -->
40      <div class="media-container">
41          <h2>Embedded YouTube Video</h2>
42          <iframe width="560" height="315" src="https://www.youtube.com/embed/dQw4w9WgXcQ"
43              frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture"
44              allowfullscreen>
45      </div>
46
47      <!-- Embedded Google Maps using iframe -->
48      <div class="media-container">
49          <h2>Embedded Google Maps</h2>
50          <iframe src="https://www.google.com/maps/embed/v1/place?q=Paris&key=YOUR_GOOGLE_MAPS_API_KEY"
51              width="600" height="450" frameborder="0" style="border:0;" allowfullscreen="" aria-hidden="false" tabindex="0">
52      </div>
53
54  </body>
55  </html>

```

Output:

Multimedia Example

Audio Example



Video Example



Experiment : 13

Student Name: Rahul Joshi

23/SCA/BCA/(CS)/030

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

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>Timetable</title>
5      <style>
6          table {
7              width: 100%;
8              border-collapse: collapse;
9          }
10         th, td {
11             border: 1px solid black;
12             padding: 10px;
13             text-align: center;
14         }
15         th {
16             background-color: #f2f2f2;
17         }
18     </style>
19 </head>
20 <body>
21     <h1>Timetable</h1>
22     <table>
```

```
33          <td>8:00 - 9:00</td>
34          <td colspan="5">Assembly</td>
35      </tr>
36      <tr>
37          <td>9:00 - 10:00</td>
38          <td>Math</td>
39          <td>Science</td>
40          <td>Math</td>
41          <td>English</td>
42          <td>Art</td>
43      </tr>
44      <tr>
45          <td>10:00 - 11:00</td>
46          <td>English</td>
47          <td>Math</td>
48          <td>Geography</td>
49          <td>Science</td>
50          <td>Math</td>
51      </tr>
52      <tr>
53          <td>11:00 - 11:30</td>
54          <td colspan="5">Break</td>
55      </tr>
56      <tr>
57          <td>11:30 - 12:30</td>
58          <td>Science</td>
59          <td>English</td>
60          <td>History</td>
61          <td>Math</td>
62          <td>Physical Education</td>
63      </tr>
64      <tr>
65          <td>12:30 - 1:30</td>
66          <td>Physical Education</td>
67          <td>History</td>
68          <td>Science</td>
69          <td>Geography</td>
```

```

74      <td colspan="5">Lunch Break</td>
75    </tr>
76    <tr>
77      <td>2:00 - 3:00</td>
78      <td>Art</td>
79      <td>Physical Education</td>
80      <td>English</td>
81      <td>Math</td>
82      <td>Science</td>
83    </tr>
84    <tr>
85      <td>3:00 - 4:00</td>
86      <td>Geography</td>
87      <td>Art</td>
88      <td>Physical Education</td>
89      <td>History</td>
90      <td>Geography</td>
91    </tr>
92  </table>
93 </body>
94 </html>

```

Output:

Timetable

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:00 - 9:00	Assembly				
9:00 - 10:00	Math	Science	Math	English	Art
10:00 - 11:00	English	Math	Geography	Science	Math
11:00 - 11:30	Break				
11:30 - 12:30	Science	English	History	Math	Physical Education
12:30 - 1:30	Physical Education	History	Science	Geography	English
1:30 - 2:00	Lunch Break				
2:00 - 3:00	Art	Physical Education	English	Math	Science
3:00 - 4:00	Geography	Art	Physical Education	History	Geography

Experiment : 14

Student Name: Rahul Joshi

23/SCA/BCA/(CS)/030

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

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>Table with cellpadding and cellspacing</title>
5      <style>
6          table {
7              width: 100%;
8              border-collapse: separate;
9              border: 1px solid black;
10             cellpadding: 10;
11             cellspacing: 5;
12         }
13         th, td {
14             border: 1px solid black;
15             padding: 10px;
16             text-align: center;
17         }
18         th {
19             background-color: #f2f2f2;
20         }
21     </style>
22 </head>
23 <body>
24     <h1>Student Records</h1>
25     <table cellpadding="10" cellspacing="5">
26         <tr>
27             <th>Student ID</th>
28             <th>Name</th>
29             <th>Grade</th>
30         </tr>
31         <tr>
32             <td>001</td>
33             <td>John Doe</td>
34             <td>90</td>
35         </tr>
36     </table>
37 </body>
38 </html>
```

```

44     |      <td>A</td>
45     |    </tr>
46   </table>
47 </body>
48 </html>

```

Output:

Student Records

Student ID	Name	Grade
001	Kshitij Deshwal	A
002	Kshitij Deshwal	B
003	Kshitij Deshwal	A

Experiment : 15

Student Name: Rahul Joshi

23/SCA/BCA/(CS)/030

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

```

1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>MCA Subjects Lists</title>
5  </head>
6  <body>
7      <h1>MCA Subjects</h1>
8
9      <!-- Unordered List for 1st Semester -->
10     <h2>1st Semester Subjects</h2>
11     <ul>
12         <li>Introduction to Programming</li>
13         <li>Discrete Mathematics</li>
14         <li>Computer Organization</li>
15         <li>Database Management Systems</li>
16         <li>Operating Systems</li>
17     </ul>
18

```

Output:

MCA Subjects

1st Semester Subjects

- Introduction to Programming
- Discrete Mathematics
- Computer Organization
- Database Management Systems
- Operating Systems

2nd Semester Subjects

1. Data Structures
2. Software Engineering
3. Computer Networks
4. Artificial Intelligence
5. Web Technologies

3rd Semester Subjects

Advanced Algorithms

This course covers in-depth analysis and implementation of algorithms.

Machine Learning

Introduction to machine learning concepts, algorithms, and applications.

Mobile Computing

Study of mobile and wireless communication technologies.

Cloud Computing

Overview of cloud services, architectures, and deployment models.

Cyber Security

Focus on principles and practices of securing computer systems and networks.

Experiment : 16

Student Name: Rahul Joshi

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

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>Example Frameset</title>
5  </head>
6  <frameset cols="50%,50%">
7      <frame src="https://images.pexels.com/photos/22873652/pexels-photo-2287365-
8 /free-photo-of-cup-of-coffee-with-a-spoon.jpeg?auto=compress&cs=tinysrgb&w=600&lazy=load"
9      name="frame1" frameborder="1" scrolling="auto" noresize>
10     <frame src="https://images.pexels.com/photos/28706618/pexels-photo-28706618/free-photo-of-colorful-heart-
11 graffiti-on-urban-wall.jpeg?auto=compress&cs=tinysrgb&w=600&lazy=load" name="frame2" frameborder="1" scrolling="auto">
12 </frameset>
13 <noframes>
14     <body>
15         <p>This page requires a browser that supports frames.</p>
16     </body>
17 </noframes>
18 </html>
19
```

Output:



Experiment : 17

Student Name: Rahul Joshi

Write HTML code to design a form in HTML using controls and buttons such as Teaxtbox, Textarea, password, submit button, browse button, drop-down menu.

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Sample Form</title>
5 </head>
6 <body>
7   <h1>Registration Form</h1>
8   <form action="/submit-form" method="post">
9     <!-- Textbox -->
10    <label for="name">Name:</label>
11    <input type="text" id="name" name="name" required><br><br>
12
13    <!-- Textarea -->
14    <label for="address">Address:</label><br>
15    <textarea id="address" name="address" rows="4" cols="50" required></textarea><br><br>
16
17    <!-- Password -->
18    <label for="password">Password:</label>
19    <input type="password" id="password" name="password" required><br><br>
20
21    <!-- Browse Button -->
22    <label for="file">Upload File:</label>
23    <input type="file" id="file" name="file"><br><br>
24
25    <!-- Drop-down Menu -->
26    <label for="course">Select Course:</label>
27    <select id="course" name="course">
28      <option value="mca">MCA</option>
29      <option value="mba">MBA</option>
30      <option value="msc">MSc</option>
31    </select><br><br>
32
33    <!-- Submit Button -->
34    <input type="submit" value="Submit">
35  </form>
36 </body>
37 </html>
```

Output:

Registration Form

Name:

Address:

Password:

Upload File: Choose File No file chosen

Select Course:

Experiment : 18

Student Name: Rahul Joshi
23/SCA/BCA/(CS)/030

Write HTML code to design a Registration Form in HTML.

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4     <title>Hospital Registration Form</title>
5     <style>
6         body {
7             font-family: Arial, sans-serif;
8             background-color: #f2f2f2;
9             margin: 0;
10            padding: 20px;
11        }
12        .form-container {
13            background-color: #fff;
14            padding: 20px;
15            border-radius: 5px;
16            box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
17            max-width: 600px;
18            margin: auto;
19        }
20        .form-container h1 {
21            text-align: center;
22        }
23        .form-group {
24            margin-bottom: 15px;
25        }
26        .form-group label {
27            display: block;
28            margin-bottom: 5px;
29        }
30        .form-group input, .form-group select, .form-group textarea {
31            width: 100%;
32            padding: 10px;
33            border: 1px solid #ccc;
34            border-radius: 5px;
35        }
36        .form-group textarea {
37            resize: vertical;
38        }
39        .form-group button {
40            width: 100%;
41            padding: 10px;
42            background-color: #4CAF50;
43            border: none;

```

```
44            color: white;
45            font-size: 16px;
46            border-radius: 5px;
47            cursor: pointer;
48        }
49        .form-group button:hover {
50            background-color: #45a049;
51        }
52    </style>
53 </head>
54 <body>
55
56    <div class="form-container">
57        <h1>Hospital Registration Form</h1>
58        <form action="/submit-hospital-reg" method="post">
59            <div class="form-group">
60                <label for="firstname">First Name:</label>
61                <input type="text" id="firstname" name="firstname" required>
62            </div>
63            <div class="form-group">
64                <label for="lastname">Last Name:</label>
65                <input type="text" id="lastname" name="lastname" required>

```

Output:

Hospital Registration Form

First Name:

Last Name:

Gender:

Select Gender

Date of Birth:

mm/dd/yyyy

Address:

Contact Number:

Email:

Upload Medical Records:

Choose File No file chosen

Register

Experiment : 19

Student Name: Rahul Joshi

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

```

1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>Student Admission Form</title>
5      <style>
6          body {
7              font-family: Arial, sans-serif;
8              background-color: #f9f9f9;
9              margin: 0;
10             padding: 20px;
11         }
12         .form-container {
13             background-color: #fff;
14             padding: 20px;
15             border-radius: 5px;
16             box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
17             max-width: 600px;
18             margin: auto;
19         }
20         .button {
21             color: white;
22             font-size: 16px;
23             border-radius: 5px;
24             cursor: pointer;
25         }
26         .form-group button:hover {
27             background-color: #45a049;
28         }
29     </style>
30 </head>
31 <body>
32
33 <div class="form-container">
34     <h1>Student Admission Form</h1>
35     <form action="/submit-admission" method="post">
36         <div class="form-group">
37             <label for="firstname">First Name:</label>
38             <input type="text" id="firstname" name="firstname" required>
39         </div>
40         <div class="form-group">
41             <label for="lastname">Last Name:</label>
42             <input type="text" id="lastname" name="lastname" required>
43         </div>
44         <div class="form-group">
45             <label for="gender">Gender:</label>
46             <select id="gender" name="gender" required>
47                 <option value="">Select Gender</option>
48                 <option value="male">Male</option>
49                 <option value="female">Female</option>
50                 <option value="other">Other</option>
51             </select>
52         </div>
53         <div class="form-group">
54             <label for="dob">Date of Birth:</label>
55             <input type="date" id="dob" name="dob" required>
56         </div>
57         <div class="form-group">
58             <label for="address">Address:</label>
59             <textarea id="address" name="address" rows="4" required></textarea>
60         </div>
61         <div class="form-group">
62             <label for="contact">Contact Number:</label>
63             <input type="tel" id="contact" name="contact" required>
64         </div>
65         <div class="form-group">
66             <label for="email">Email:</label>
67             <input type="email" id="email" name="email" required>
68         </div>
69     </form>
70 </div>
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90

```

Output:

Student Admission Form

First Name:

Last Name:

Gender:

Select Gender

Date of Birth:

 mm/dd/yyyy (Calendar icon)

Address:

Contact Number:

Email:

Select Course:

MCA

Upload Photo:

No file chosen

Submit

Experiment : 20

Student Name: Rahul Joshi
23/SCA/BCA/(CS)/030

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

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Welcome to Rahul Joshi</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            margin: 0;
            padding: 0;
            background-color: #fce4dc;
            color: #333;
        }
        header {
            background-color: #ff7043;
            color: white;
            text-align: center;
            padding: 20px 0;
            font-size: 1.5em;
        }
        nav {
            text-align: center;
            margin: 15px 0;
        }
        nav a {
            margin: 0 15px;
            text-decoration: none;
            color: #ff7043;
            font-weight: bold;
        }
        main {
            margin: 20px auto;
            width: 80%;
            text-align: center;
        }
        h2 {
            color: #ff7043;
```

```
        }
    ul {
        list-style: none;
        padding: 0;
    }
    ul li {
        margin: 5px 0;
    }
    .contact a {
        color: #0056b3;
        text-decoration: none;
    }
    footer {
        background-color: #ff7043;
        color: white;
        text-align: center;
        padding: 10px 0;
        position: relative;
        bottom: 0;
        width: 100%;
    }
}
</style>
</head>
<body>
    <header>
        Welcome to Rahul Joshi
    </header>
    <nav>
        <a href="#about">About</a>
        <a href="#features">Features</a>
        <a href="#contact">Contact</a>
    </nav>
    <main>
        <section id="about">
            <h2>About Rahul Joshi</h2>
            <p>
                Rahul Joshi is your intelligent AI companion, here to assist you with various tasks,

```

Output:

Experiment : 21

Student Name: Rahul Joshi
23/SCA/BCA/(CS)/030

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>Local Hyperlinking Example</title>
5      <style>
6          body {
7              font-family: Arial, sans-serif;
8              margin: 20px;
9          }
10         nav {
11             margin-bottom: 20px;
12         }
13         nav a {
14             margin-right: 10px;
15             text-decoration: none;
16             color: #4CAF50;
17             font-weight: bold;
18         }
19         section {
20             margin-bottom: 50px;
21         }
22         h2 {
23             border-bottom: 1px solid #ccc;
24             padding-bottom: 10px;
25         }
26     </style>
27 </head>
28 <body>
29
30     <header>
31         <h1>Local Hyperlinking Example</h1>
32     </header>
33
34     <nav>
35         <a href="#section1">Section 1</a>
36         <a href="#section2">Section 2</a>
37         <a href="#section3">Section 3</a>
38     </nav>
39
40     <section id="section1">
41         <h2>Section 1</h2>
42         <p>This is the content for section 1. Local hyperlinking allows you to jump to different sections within
43     </section>
```

```
<section id="section2">
  <h2>Section 2</h2>
  <p>This is the content for section 2. Clicking the links in the navigation bar will smoothly scroll you to t
</section>

<section id="section3">
  <h2>Section 3</h2>
  <p>This is the content for section 3. Use local hyperlinks to easily navigate longer web pages with multiple
</section>

</body>
</html>
```

Output:

Local Hyperlinking Example

[Section 1](#) [Section 2](#) [Section 3](#)

Section 1

This is the content for section 1. Local hyperlinking allows you to jump to different sections within the same page.

Section 2

This is the content for section 2. Clicking the links in the navigation bar will smoothly scroll you to the respective sections.

Section 3

This is the content for section 3. Use local hyperlinks to easily navigate longer web pages with multiple sections.

Experiment: 22

Student Name: Rahul Joshi

23/SCA/BCA/(CS)/030

```
1  <!DOCTYPE html>
41 <section>
42     <h2>About Microsoft</h2>
43     <p>Microsoft Corporation is an American multinational technology company
44         with headquarters in Redmond, Washington. It develops, manufactures, licenses, supports, and
45         sells computer software, consumer electronics, personal computers, and related services.</p>
46 </section>
47
48 <section>
49     <h2>About GitHub</h2>
50     <p>GitHub, Inc. is a provider of Internet hosting for software development and version
51         control using Git. It offers the distributed version control and source code management
52         functionality of Git, plus its own features.</p>
53 </section>
54
55 <section>
56     <h2>About Wikipedia</h2>
57     <p>Wikipedia is a free, multilingual open-collaborative online encyclopedia created
58         and maintained by a community of volunteer editors using a wiki-based editing system.</p>
59 </section>
60
61 <footer>
62     <p>&copy; 2024 Inter Hyperlinking Example. All rights reserved.</p>
63 </footer>
64
65 </body>
66 </html>
67
68
69
70
71
72
73
74
75     border-top: 1px solid #ccc;
76
77 </style>
78 </head>
79 <body>
80
81 <header>
82     <h1>Inter Hyperlinking Example</h1>
83 </header>
84
85 <nav>
86     <a href="https://www.microsoft.com" target="_blank">Microsoft</a>
87     <a href="https://www.github.com" target="_blank">GitHub</a>
88     <a href="https://www.wikipedia.org" target="_blank">Wikipedia</a>
89 </nav>
90
91
92
93
94
95
96
97
98
99
100
```

Output:

Inter Hyperlinking Example

[Microsoft](#) [GitHub](#) [Wikipedia](#)

About Microsoft

Microsoft Corporation is an American multinational technology company with headquarters in Redmond, Washington. It develops, manufactures, licenses, supports, and sells computer software, consumer electronics, personal computers, and related services.

About GitHub

GitHub, Inc. is a provider of Internet hosting for software development and version control using Git. It offers the distributed version control and source code management functionality of Git, plus its own features.

About Wikipedia

Wikipedia is a free, multilingual open-collaborative online encyclopedia created and maintained by a community of volunteer editors using a wiki-based editing system.

© 2024 Inter Hyperlinking Example. All rights reserved.

Experiment : 23

Student Name: Rahul Joshi

23/SCA/BCA/(CS)/030

```

1 <!DOCTYPE html>
2 <html>
3 <head>
4     <title>External Hyperlinking Example</title>
5     <style>
6         body {
7             font-family: Arial, sans-serif;
8             margin: 20px;
9         }
10        nav {
11            margin-bottom: 20px;
12        }
13        nav a {
14            margin-right: 10px;
15            text-decoration: none;
16            color: #4CAF50;
17            font-weight: bold;
18        }
19        section {
20            margin-bottom: 20px;
21        }
22        footer {
23            margin-top: 20px;
24            padding-top: 20px;
25            border-top: 1px solid #ccc;
26        }
27    </style>
28 </head>
29 <body>
30
31 <header>
32     <h1>External Hyperlinking Example</h1>
33 </header>
34
35 <nav>
36     <a href="https://www.microsoft.com" target="_blank">Microsoft</a>
37     <a href="https://www.github.com" target="_blank">GitHub</a>
38     <a href="https://www.wikipedia.org" target="_blank">Wikipedia</a>
39 </nav>
40
41 <section>
42     <h2>About Microsoft</h2>
43     <p>Microsoft Corporation is an American multinational technology company with headquarters

```

```

44     in Redmond, Washington. It develops, manufactures, licenses, supports, and sells computer software,
45     consumer electronics, personal computers, and related services.</p>
46 </section>
47
48 <section>
49     <h2>About GitHub</h2>
50     <p>GitHub, Inc. is a provider of Internet hosting for software development and version control
51     using Git. It offers the distributed version control and source code management functionality of
52     Git, plus its own features.</p>
53 </section>
54
55 <section>
56     <h2>About Wikipedia</h2>
57     <p>Wikipedia is a free, multilingual open-collaborative online encyclopedia created and maintained
58     by a community of volunteer editors using a wiki-based editing system.</p>
59 </section>
60
61 <footer>
62     <p>&copy; 2024 External Hyperlinking Example. All rights reserved.</p>
63 </footer>
64
65 </body>
66 </html>

```

Output:

External Hyperlinking Example

[Microsoft](#) [GitHub](#) [Wikipedia](#)

About Microsoft

Microsoft Corporation is an American multinational technology company with headquarters in Redmond, Washington. It develops, manufactures, licenses, supports, and sells computer software, consumer electronics, personal computers, and related services.

About GitHub

GitHub, Inc. is a provider of Internet hosting for software development and version control using Git. It offers the distributed version control and source code management functionality of Git, plus its own features.

About Wikipedia

Wikipedia is a free, multilingual open-collaborative online encyclopedia created and maintained by a community of volunteer editors using a wiki-based editing system.

© 2024 External Hyperlinking Example. All rights reserved.

Experiment : 24

Student Name: Rahul Joshi

23/SCA/BCA/(CS)/030

```
1  body {  
2      font-family: Arial, sans-serif;  
3      background-color: #f0f0f0;  
4      color: #333;  
5      margin: 0;  
6      padding: 0;  
7  }  
8  
9  header {  
10     background-color: #ff7043;  
11     color: white;  
12     padding: 10px 0;  
13     text-align: center;  
14     <a href="#">Microsoft</a>  
15     <a href="#">GitHub</a>  
16     <a href="#">Wikipedia</a>  
17  }  
18  
19  nav {  
20     text-align: center;  
21     padding: 15px;  
22  }  
23  
24  </s>  
25  <se>  
26  <se>  
27  <se>  
28  <se>  
29  <se>  
30  <se>  
31  <se>  
32  <se>  
33  <se>  
34  <se>  
35  <se>  
36  <se>  
37  <se>  
38  <se>  
39  <se>  
40  <se>  
41  <se>  
42  <se>  
43  <se>  
44  <se>  
45  <se>  
46  <se>  
47  <se>  
48  <se>  
49  <se>  
50  <se>
```

Output:

Experiment : 25

Student Name: Rahul Joshi

23/SCA/BCA/(CS)/030

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>Internal CSS Example</title>
5      <style>
6          body {
7              font-family: Arial, sans-serif;
8              background-color: #f8e4e3;
9              color: #333;
10             margin: 0;
11             padding: 0;
12         }
13         header {
14             background-color: #ff7043;
15             color: white;
16             padding: 10px 0;
17             text-align: center;
18         }
19         nav {
20             text-align: center;
21             padding: 15px;
22         }
23         nav a {
24             margin: 0 10px;
25             text-decoration: none;
26             color: #ff7043;
27             font-weight: bold;
28         }
29         .container {
30             max-width: 800px;
31             margin: auto;
32             padding: 20px;
33         }
34         footer {
35             background-color: #ff7043;
36             color: white;
37             text-align: center;
38             padding: 10px 0;
39             position: fixed;
40             bottom: 0;
41             width: 100%;
42         }
43     </style>
44 </head>
45 <body>
46
47 <header>
48     <h1>Internal CSS Example</h1>
49 </header>
50
51 <nav>
52     <a href="#about">About</a>
53     <a href="#features">Features</a>
54     <a href="#contact">Contact</a>
55 </nav>
56
57 <div class="container">
58     <section id="about">
59         <h2>About</h2>
60         <p>This section provides an example of how to use internal CSS to style an HTML document.</p>
61     </section>
62 
```

Output:

Internal CSS Example

[About](#) [Features](#) [Contact](#)

About

This section provides an example of how to use internal CSS to style an HTML document.

Features

- Styling with internal CSS
- Easy to maintain
- Quick to implement

Contact

If you have any questions or need assistance, feel free to reach out via email.

© 2024 Internal CSS Example. All rights reserved.

Experiment : 26

Student Name: Rahul Joshi

23/SCA/BCA/(CS)/030

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4     <title>Inline CSS Example</title>
5 </head>
6 <body style="font-family: Arial, sans-serif; background-color: #f8e4e3; color: #333; margin: 0; padding: 0;">
7
8 <header style="background-color: #ff7043; color: white; padding: 10px 0; text-align: center;">
9     <h1>Inline CSS Example</h1>
10 </header>
11
12 <nav style="text-align: center; padding: 15px;">
13     <a href="#about" style="margin: 0 10px; text-decoration: none; color: #ff7043; font-weight: bold;">
14         About</a>
15     <a href="#features" style="margin: 0 10px; text-decoration: none; color: #ff7043; font-weight: bold;">
16         Features</a>
17     <a href="#contact" style="margin: 0 10px; text-decoration: none; color: #ff7043; font-weight: bold;">
18         Contact</a>
19 </nav>
20
21 <div style="max-width: 800px; margin: auto; padding: 20px;">
22     <section id="about">
23         <h2>About</h2>
24         <p>This section provides an example of how to use inline CSS to style an HTML document.</p>
25     </section>
26
27     <section id="features">
28         <h2>Features</h2>
29         <ul>
30             <li>Styling with inline CSS</li>
31             <li>Easy to maintain for small changes</li>
32             <li>Quick to implement</li>
33         </ul>
34     </section>
35
36     <section id="contact">
37         <h2>Contact</h2>
38         <p>If you have any questions or need assistance, feel free to reach out via email.</p>
39     </section>
40
41 <footer style="background-color: #ff7043; color: white; text-align: center; padding: 10px 0; position: fixed; bottom: 0; width: 100%;">
42     <p>&copy; 2024 Inline CSS Example. All rights reserved.</p>
43 </footer>
44
45 </body>
46
47 </html>
```

Output:

The screenshot shows a web page titled "Inline CSS Example". The header is orange with the title. Below it is a navigation bar with three items: "About", "Features", and "Contact". The "About" section contains a paragraph about inline CSS. The "Features" section lists three bullet points: "Styling with inline CSS", "Easy to maintain for small changes", and "Quick to implement". The footer is also orange and contains a copyright notice for 2024.

Inline CSS Example

About Features Contact

About

This section provides an example of how to use inline CSS to style an HTML document.

Features

- Styling with inline CSS
- Easy to maintain for small changes
- Quick to implement

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Experiment : 27

Student Name: Rahul Joshi
23/SCA/BCA/(CS)/030

```
1  <!DOCTYPE html>
2  <html>
3      function addNumbers() {
4          // Get the values of the input fields
5          var num1 = parseFloat(document.getElementById('num1').value);
6          var num2 = parseFloat(document.getElementById('num2').value);
7
8          // Calculate the sum
9          var sum = num1 + num2;
10
11         // Display the result
12         document.getElementById('result').innerText = 'Result: ' + sum;
13     }
14 </script>
15 </head>
16 <body>
17
18 <div class="container">
19     <h1>Add Two Numbers</h1>
20     <div class="form-group">
21         <label for="num1">Number 1:</label>
22         <input type="number" id="num1" name="num1">
23     </div>
24     <div class="form-group">
25         <label for="num2">Number 2:</label>
26         <input type="number" id="num2" name="num2">
27     </div>
28     <div class="form-group">
29         <button type="button" onclick="addNumbers()">Add</button>
30     </div>
31     <div id="result"></div>
32 </div>
33
34 </body>
35 </html>
36
37 #result {
38     margin-top: 10px;
39     font-weight: bold;
40     color: red;
41 }
42 </style>
43 <script>
```

Output:

Add Two Numbers

Number 1:

15

Number 2:

20

Experiment : 28

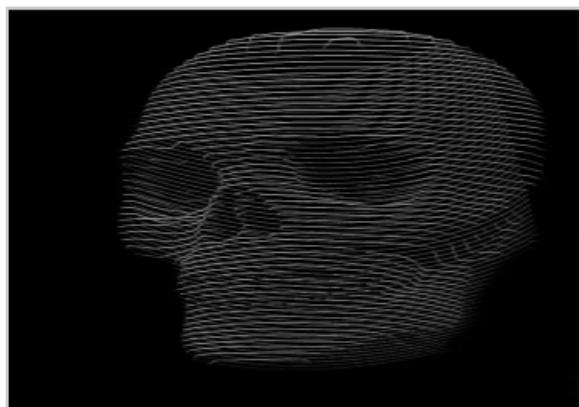
Student Name: Rahul Joshi

23/SCA/BCA/(CS)/030

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Image Swap on Mouse Over</title>
7   <style>
8     img {
9       width: 300px;
10      height: 200px;
11      border: 2px solid #ccc;
12      transition: all 0.3s ease;
13    }
14  </style>
15 </head>
16 <body>
17   <h2>Hover over the image to swap it!</h2>
18   
27
28   <script>
29     function swapImage() {
30       document.getElementById('image').src = 'https://images.unsplash.com/photo-
31         1728343070484-0874149980d9?w=400&auto=format&fit=crop&q=60&ixlib=rb-4.0.3&ixid=M3wxMjA3fDB8MHx0b3Bp
32         Yy1mZWVkfDE5fGJvOGpRS1RhtTBZfHxlbnwwfHx8fHw%3D';
33     }
34     function restoreImage() {
35       document.getElementById('image').src = 'https://images.unsplash.com/photo-1730349719244-4ccaae95a8c4?
36         =400&auto=format&fit=crop&q=60&ixlib=rb-4.0.3&ixid=M3wxMjA3fDB8MHx0b3BpYy1mZWVkfDI4fGJvOGpRS1RhRTBZfHxlbnwwfHx8fHw%3D';
37     }
38   </script>
39 </body>
40 </html>
```

Output:

Hover over the image to swap it!



Hover over the image to swap it!



Experiment : 29

Student Name: Rahul Joshi

23/SCA/BCA/(CS)/030

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>Sort an Array</title>
5  </head>
6  <body>
7      <h1>Sort an Array in JavaScript</h1>
8
9      <p>Original Array: <span id="original"></span></p>
10     <p>Sorted Array: <span id="sorted"></span></p>
11
12     <script>
13         // Define the array
14         var array = [5, 3, 8, 4, 2, 7, 1, 10, 6, 9];
15
16         // Display the original array
17         document.getElementById('original').innerText = array.join(", ");
18
19         // Sort the array
20         array.sort(function(a, b) {
21             return a - b;
22         });
23
24         // Display the sorted array
25         document.getElementById('sorted').innerText = array.join(", ");
26     </script>
27 </body>
28 </html>
```

Output:

Sort an Array in JavaScript

Original Array: 5, 3, 8, 4, 2, 7, 1, 10, 6, 9

Sorted Array: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Experiment : 30

Student Name: Rahul Joshi
23/SCA/BCA/(CS)/030

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>Find Minimum and Maximum</title>
5  <style>
6      body {
7          font-family: Arial, sans-serif;
8          margin: 10px;
9          background-color: lightyellow;
10         color: black;
11     }
12     .container {
13         width: 80%;
14         margin: auto;
15         padding: 10px;
16         border: 2px dotted blue;
17         background-color: lightblue;
18     }
19     .form-group {
20         margin-bottom: 10px;
21     }
22     .form-group label {
23         display: block;
24     }
25     .form-group input {
26         width: 100%;
27         padding: 5px;
28     }
29     .form-group button {
30         width: 100%;
31         padding: 5px;
32         background-color: yellow;
33         border: 2px solid red;
34         color: black;
35     }
36     .result {
37         margin-top: 10px;
38         font-weight: bold;
39         color: red;
40     }
41  </style>
42  <script>
43      function findMinMax() {
```

```

45     var num1 = parseFloat(document.getElementById('num1').value);
46     var num2 = parseFloat(document.getElementById('num2').value);
47     var num3 = parseFloat(document.getElementById('num3').value);
48
49     // Find the minimum and maximum numbers
50     var min = Math.min(num1, num2, num3);
51     var max = Math.max(num1, num2, num3);
52
53     // Display the results
54     document.getElementById('result').innerHTML = '<b>Minimum: ' + min + '</b><br><b>Maximum: ' + max + '</b>';
55   }
56 </script>
57 </head>
58 <body>
59
60 <div class="container">
61   <h1>Find Minimum and Maximum</h1>
62   <div class="form-group">
63     <label for="num1">Number 1:</label>
64     <input type="number" id="num1" name="num1">
65   </div>
66   <div class="form-group">
67     <label for="num2">Number 2:</label>
68     <input type="number" id="num2" name="num2">
69   </div>
70   <div class="form-group">
71     <label for="num3">Number 3:</label>
72     <input type="number" id="num3" name="num3">
73   </div>
74   <div class="form-group">
75     <button type="button" onclick="findMinMax()">Find Min & Max</button>
76   </div>
77   <div id="result" class="result"></div>
78 </div>
79
80 </body>
81 </html>

```

Output:

Find Minimum and Maximum

Number 1:

25

Number 2:

89

Number 3:

120

Find Min & Max

Minimum: 25
Maximum: 120