

1.1 BASIC HTML TAGS

1. <html>: Represents the root of an HTML document.
2. <head>: Contains metadata about the document, such as the title and linking to stylesheets.
3. <title>: Specifies the title of the document, displayed in the browser's title bar or tab.
4. <body>: Represents the content of the HTML document.
5. <h1> to <h6>: Defines headings of different levels, with <h1> being the highest and <h6> being the lowest.
6. <p>: Defines a paragraph of text.
7. <a>: Creates a hyperlink to another webpage, document, or location on the same page.
8. : Embeds an image into the document.
9. <div>: Represents a division or a container for other HTML elements.
10. : Inline container used for grouping elements and applying styles.
11. : Defines an unordered (bulleted) list.
12. : Defines an ordered (numbered) list.
13. : Represents a list item within or .
14. <table>: Creates a table with rows and columns.
15. <tr>: Defines a table row.
16. <th>: Defines a table header cell.
17. <td>: Defines a table data (regular) cell.
18. <form>: Creates a form to gather user input.
19. <input>: Specifies an input field, such as a text box or checkbox, within a form.
20. <button>: Creates a clickable button.
21. <textarea>: Defines a multi-line text input control.
22. <select>: Creates a dropdown list.
23. <option>: Represents an option within a <select> element.
24. <label>: Defines a label for an input element.
25. <header>: Represents a container for introductory content or a set of navigational links.
26. <footer>: Represents a container for the footer of a document or a section.
27. <nav>: Defines a section of navigation links.
28. <article>: Represents an independent piece of content within a document, such as a blog post or news article.
29. <section>: Defines a section within a document.
30. <aside>: Represents content that is tangentially related to the main content.
31. <blockquote>: Indicates a section that is quoted from another source.
32. <code>: Defines a section of computer code.
33. <pre>: Represents preformatted text.
34. : Emphasizes text by rendering it in italics.
35. : Specifies strong emphasis on text by rendering it in bold.

36. <hr>: Creates a horizontal rule, a visual divider.
37.
: Inserts a single line break.
38. <iframe>: Embeds another document within the current HTML document.

The screenshot shows a Windows desktop environment. At the top, there is a taskbar with various icons, including a weather widget showing '35°C Sunny'. Below the taskbar is a browser window titled 'Basic HTML Tags'. The browser's address bar shows the file path 'C:/Users/santh/Downloads/tags_purpose.html'. The main content of the browser is a table titled 'Tags and Purpose'.

Tag	Description	Output
<h1> to <h6>	Defines HTML headings	Heading 4
<p>	Defines a paragraph	Lorem ipsum dolor sit amet.
 	Inserts a single line break	Line 1 Line 2
<hr>	Defines a thematic change in the content	Line 1 Line 2
	Displays an image	SAMPLE
Colspan		Colspan Example

2.1 ALL HTML TAGS AND ITS OUTPUT IN TABULAR FORMAT

AIM:

To create a webpage to show all html tags, description and its output.

ALGORITHM:

- <h1> to <h6>- To write Heading
- <table>- To create Table
- <tr> - Table row
- <th> - Table header
- <td> - Table cell
- <form> - To create form
- <a> - To create link
- - To insert image
- - For ordered list
- - For unordered list

SOURCE CODE:

```
<!DOCTYPE html>

<html lang="en">
<head>
<title>2022503039_tags and purpose</title>
<style>
table, th, td {
    border: 1px solid black;
    border-collapse: collapse;
    text-align: center;
}
img{
    max-width: 50px;
    max-height: 50px;
    display: block;
```

```

margin: 0 auto;
}

</style>

</head>

<body style="background-color: antiquewhite;">

<h2 style="text-align: center;">Basic HTML Tags</h2>

<table align="center">

<caption>Tags and Purpose</caption> <tr>

<th style="width:20%">Tag</th>

<th>Description</th>

<th>Output</th> </tr> <tr>

<td>&lt;h1&gt; to &lt;h6&gt;</a></td>

<td> Defines HTML headings</td>

<td><h4>Heading 4</h4></td> </tr> <tr>

<td>&lt;p&gt;</a></td>

<td>Defines a paragraph</td>

<td>Lorem ipsum dolor sit amet.</td> </tr> <tr>

<td>&lt;br&gt;</a></td>

<td>Inserts a single line break</td>

<td>Line 1 <br> Line 2</td> </tr> <tr>

<td>&lt;hr&gt;</a></td>

<td>Defines a thematic change in the content</td>

<td>Line 1 <hr>Line 2</td> </tr> <tr>

<td>&lt;img&gt;</a></td>

<td>Displays an image</td>

<td></td> </tr> <tr>

<td colspan="2">Colspan</td>

<td>Colspan Example</td> </tr>

```

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

RESULT:

The webpage was created successfully

SEMESTER II

SL. NO.	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	EL	CREDITS
THEORY									
1.	HS6251	TECHNICAL ENGLISH II	HS	4	4	0	0	3	5
2.	CY6251	ENGINEERING CHEMISTRY	BS	5	3	0	2	3	5
3.	MA6151	DISCRETE MATHEMATICS	BS	4	3	1	0	3	5
4.	GE6251	ENGINEERING GRAPHICS	ES	6	2	0	4	3	5
5.	CS6103	APPLICATION DEVELOPMENT PRACTICES	HC	5	1	0	4	3	4
TOTAL				24	13	1	10	15	24



2.2 SEMESTER II CREDITS

AIM:

To create table for Second Semester Course and its Credits

ALGORITHM:

- <h1> to <h6>- To write Heading
- <table>- To create Table
- <tr> - Table row
- <th> - Table header
- <td> - Table cell
- <div> - To define a section of document
- <colgroup> - To Specifies a group of one or more columns in a table for formatting
- <col> - To Specifies column properties for each column within a <colgroup> element

SOURCE CODE:

```
<!DOCTYPE html>

<head>

<title> 2022503039_Sem2 credits</title>

<style>

h1, h2 {

    text-align: center;

}

table, th, tr, td {

    border: 2px solid black;

    border-collapse: collapse;

}

tr.total {

    color: rgb(255, 0, 0);

    text-decoration: bold;

}
```

```

th.clr{
    color: yellow;
    text-decoration: solid;
}

div {
    color: grey;
}

table {
    margin-left: auto;
    margin-right: auto;
}

</style>

</head>

<body style="text-align:center; background-color: rgb(194, 192, 191);">

<h1>ANNA UNIVERSITY, CHENNAI</h1><br>
<h1>BE- COMPUTER SCIENCE AND ENGINEERING</h1>

<div>
<h2>RUSA REGULATIONS - 2018</h2>
</div> <br>
<h2> SEMESTER II</h2>

<table style="width: 75%; height: 500px;">
<colgroup>
<col span="9">
<col span="1" style="background-color:rgb(105, 189, 231);">
</colgroup><tr>
<th>SI.No</th>
<th>COURSE CODE </th>
<th height="50" width="700">COURSE TITLE</th>
<th>CATEGORY </th>

```

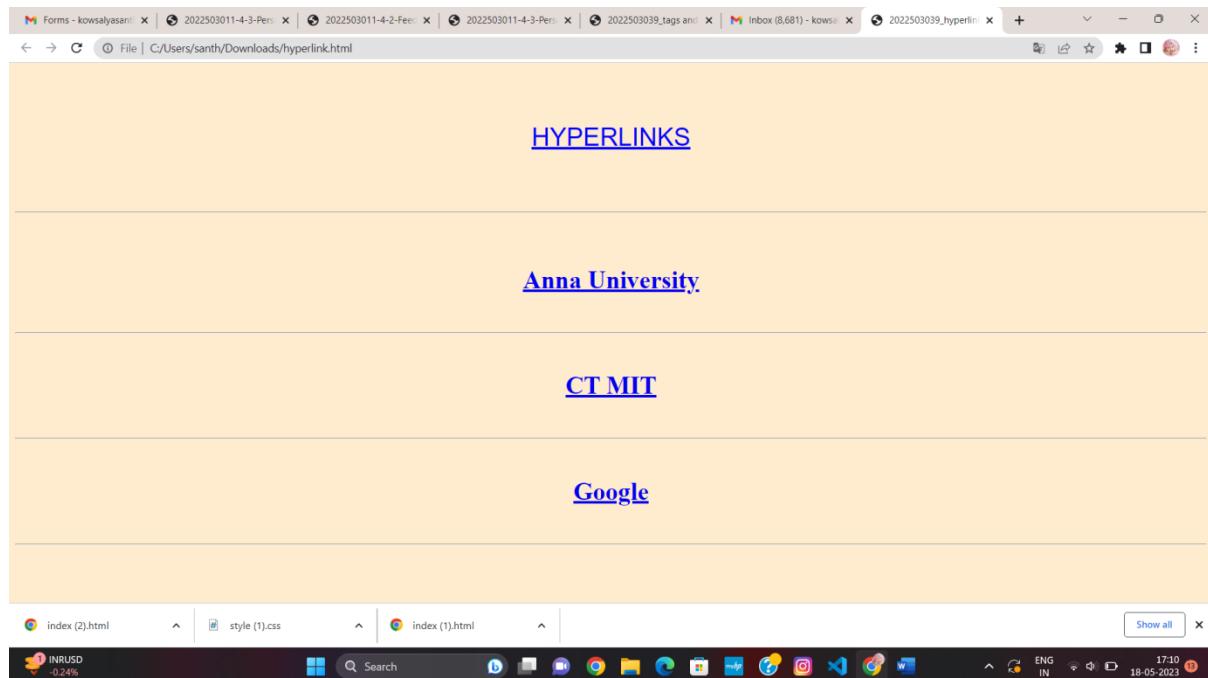
CONTACT PERIODS	L	T	P	EL	CREDITS
Theory					
1.					HS6251
		Technical English II			HS
	4				
		4			
		0			
		0			
		3			
	5				
2.					CY6251
		Engineering Chemistry			BS
	5				
		3			
		0			
		2			
		3			
	5				
3.					

<td>MA6251 </td>	
<td>Discrete Mathematics</td>	
<td> BS </td>	
<td>4</td>	
<td> 3</td>	
<td> 1</td>	
<td> 0</td>	
<td> 3</td>	
<td>5</td> </tr> <tr>	
<td>4.</td>	
<td> GE6251 </td>	
<td>Engineering Graphics </td>	
<td>ES</td>	
<td> 6</td>	
<td> 2</td>	
<td> 0</td>	
<td> 4</td>	
<td> 3</td>	
<td> 5</td> </tr>	
<td>5.</td>	
<td> CS6103</td>	
<td> Application Development Practices</td>	
<td> HC </td>	
<td>5 </td>	
<td>1 </td>	
<td>0 </td>	
<td>4 </td>	
<td>3 </td>	
<td>4</td> </tr>	

```
<tr class="total">
<td colspan="4" style="text-align:right;">TOTAL</td>
<td>24</td>
<td> 13</td>
<td> 1 </td>
<td>10 </td>
<td>15 </td>
<td>24</td></tr>
</table>
</body>
</html>
```

RESULT:

The webpage was created successfully



2.3 TO CREATE LINK

AIM:

To Create a link that redirect to

- a) Anna University
- b) Mit
- c) Ctmmit
- d) Google

ALGORITHM:

- <h1> to <h6> - To write Heading
- <a> - To create link
- - For unordered list
- <hr> - For Horizontal line
- <div> - To define a section of document
- - To define list items

SOURCE CODE:

```
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>2022503039 _hyperlinks</title>

</head>

<body style="color: rgb(39, 184, 164); text-align: center; background-color: blanchedalmond;">

<br><br>

<p style="font-size: xx-large;font-family: Arial, Helvetica, sans-serif; color: blue;"><u>HYPERLINKS </u></p>

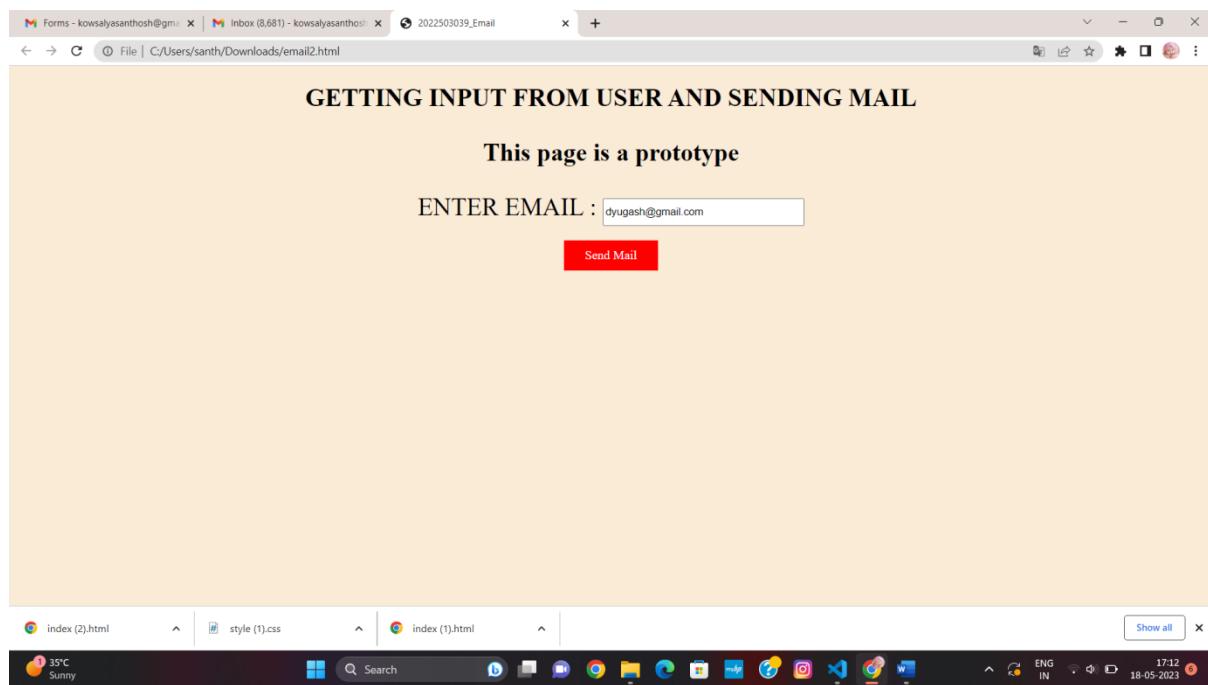
<br><br>

<hr>
```

```
<br><br>
<h1><a href="https://www.annauniv.edu/" target="_blank">Anna University</a></h1>
<br><hr>
<br>
<h1><a href="http://www.ct.mitindia.edu/dct/#/home" target="_blank">CT MIT</a></h1>
<br><hr>
<br>
<h1><a href="https://www.google.com/" target="_blank">Google</a></h1>
<br><hr>
</body>
</html>
```

RESULT:

The webpage was created successfully



2.4 TO CREATE MAIL LINK

AIM:

To create a link which is when clicked redirects to your gmail

ALGORITHM:

- <a> - To create link
- mailto: - To send mail
- <h1> to <h6> - To create heading
- <hr> - To create horizontal line
- <p> - To write paragraph
- <header> - To create header
- <footer> - To create footer

SOURCE CODE:

```
<!DOCTYPE html>

<html>
<head>

<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<title>2022503039_Email</title>

<style>

    h1,
    h3 {
        text-align: center;
        font-size: xx-large;
    }

    a {
        display: block;
        padding: 10px;
        background-color: red;
        color: white;
    }

</style>
```

```

        text-decoration: none;
        margin-top: 10px;
        margin-bottom: 5px;
        width: 100px;
        text-align: center;
        margin: auto;
    }

body{
    background-color: antiquewhite;
}

</style>

</head>

<body>

<h1>GETTING INPUT FROM USER AND SENDING MAIL</h1>

<h3>This page is a prototype</h3>

<div style="text-align: center; font-size: xx-large;">

    <label>ENTER EMAIL :</label>

    <input type="text" placeholder="Email here" name="username"
style="height: 30px; width: 250px;">

</div> <br>

<center><a href="mailto:dyugash@gmail.com" style="text-align: center;">Send
Mail</a></center>

</body>

</html>

```

RESULT:

The webpage was created successfully

← → ⌂ File | C:/Users/santh/Downloads/bookcover.html

BOOK REVIEW



THE MIDNIGHT LIBRARY

MATT HAIG

THE MIDNIGHT

AUTHOR : Matt Gaig

Summary :

Between life and death there is a library, and within that library, the shelves go on forever. Every book provides a chance to try another life you could have lived. To see how things would be if you had made other choices . . . Would you have done anything different, if you had the chance to undo your regrets? A novel about all the choices that go into a life well lived.

37°C Rain tonight

Search

ENG IN 16:06 18-05-2023

2.5BOOK COVER

AIM:

Create image program book covers

ALGORITHM:

- <div> -Defines a division or a section in an HTML document.
- <p> -To write paragraph
- -To insert image

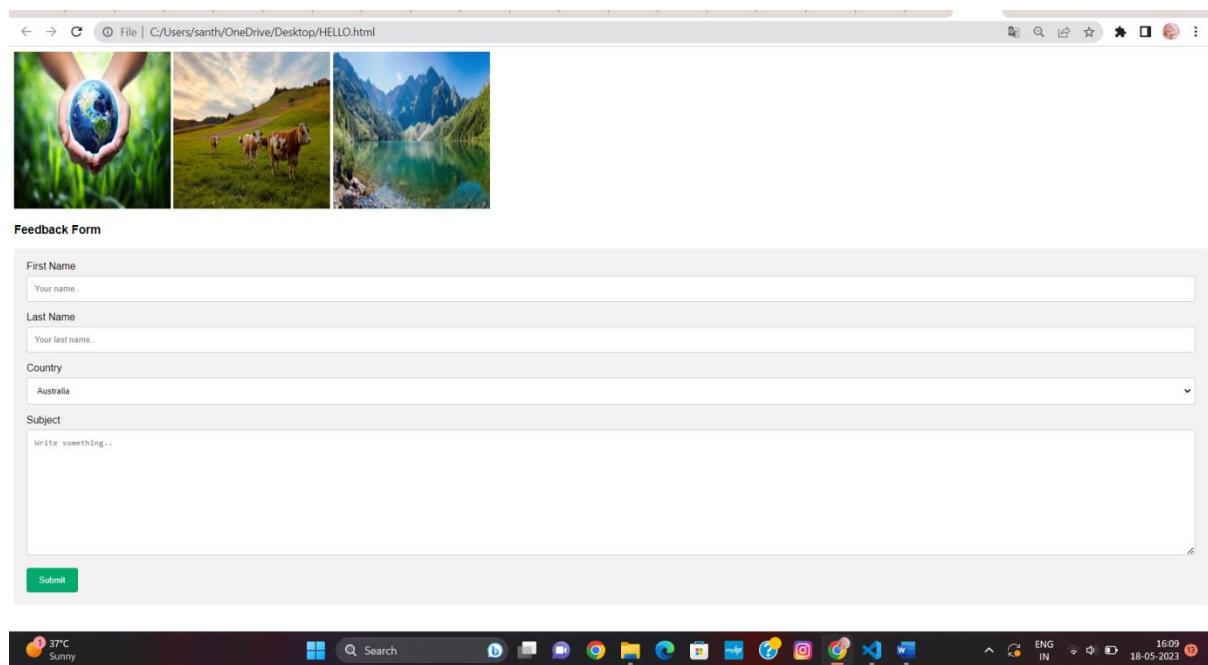
SOURCE CODE:

```
<!DOCTYPE html>
<head>
<title>2022503039_bookcover</title>
<style>
body {
    text-align: center;
    padding: 0px;
    font-weight: bold;
}
.book {
    height: 640px;
    width: 400px;
}
div {
    background-color: #f6f8ec;
    border-radius: 2px;
    padding: 10px;
    padding: 10px;
    margin: auto;
}
.ar {
    font-family: Arial, Helvetica, sans-serif;
    font-weight: bold;
    font-size: 150%;
}
img {
    height: 25%;
    width: 50%;
}
.author {
```

```
font-family: Arial, Helvetica, sans-serif;
font-weight: bold;
font-size: 300%;
padding: 0px;
margin: 0px;
}
</style>
</head>
<body>
<div class="book">
<p>THE MANGA SERIES</p>
<p class="ar">POKEMON<br />DESTINATION</p>
<imgsrc="https://m.media-amazon.com/images/I/71zImOD49LL.jpg">
<p> THE JOURNEY OF A LITTLE BOY <br />
    INSPIRATION FOR GROWING GENERATION
</p>
<p class="author"> HIDENORI <br /> KUSAHA
</p>
</div>
</body>
</html>
```

RESULT:

The webpage was created successfully



2.6FEEDBACK FORM

AIM:

To create a website with 5 images. Create a form for collecting feedback and also include contact link

ALGORITHM:

- -Insert image
- <label> -Defines a label for an <input> element
- <input> -Defines an input control
- <form> -Defines an HTML form for user input
- <fieldset> -Groups related elements in a form
- <legend> -Defines a caption for a <fieldset> element

SOURCE CODE:

```
<!DOCTYPE html>
<html>
<head>
    <title>2022503039_feedback form</title>
    <style>
        body{
            background-image: url("space.jpg");
        }
        img{
            display: block;
            margin : auto ;
            width :500px ;
            height : 200px;
            margin-bottom: 2px ;
        }
        header{
            color: white ;
            font-size : 50px ;
            text-align: center;
        }
    </style>
</head>
<body>
    <header>TO INFINITY AND BEYOND</header>
    <imgsrc ="space1.jpg" alt = "can't open ">
```

```

<imgsrc ="space2.jpg" alt = "can't open ">
<imgsrc ="space3.jpg" alt = "can't open ">
<imgsrc ="space4.jpg" alt = "can't open ">
<imgsrc ="space5.jpg" alt = "can't open ">
</body>
</html>
<!DOCTYPE html>
<html>
<head>
    <title>feedback form</title>
    <style>

        body{
            background-image: url("space.jpg");
        }
        div{
            margin-bottom : 45px ;
            display: block;
        }
        h1{
            margin-top: 50px ;
            text-align: center;
            color: white;
        }
        label{
            color : white ;
        }
        header{
            text-align: center;
            color : white ; margin-bottom : 40px ;
            font-size: 20px;
        }
    </style>
</head>
<body>
    <header>TO INFINITY AND BEYOND</header>
    <form>
        <div>
            <label>1. Was this website informative ?</label>
            <label>yes</label>
            <input type = "radio" value = "Yes">
            <label>no</label>
            <input type = "radio" value = "No">
        </div>

```

```

<div>
    <label>2. Will you recommend this website to your mate
?</label>
    <label>yes</label>
    <input type = "radio" value = "Yes">
    <label>no</label>
    <input type = "radio" value = "No">           </div>
<div>
    <label>3. What do you feel great about this page ?</label>
    <textarea rows = "4" cols = "60" placeholder="Write your feedback
here"></textarea>           </div>           <div>
<label>4. Is there any flaws in our page ??</label>
    <textarea rows = "4" cols = "60" placeholder="Write your feedback
here"></textarea>

    </div>           <div>
        <label>5. Give us some tips to improve our page ....</label>
        <textarea rows = "4" cols = "60" placeholder="Write your feedback
here"></textarea>

    </div>           <div>
        <label>6. Did you find any problems with our service ?</label>
        <label>yes</label>
        <input type = "radio" value = "Yes">
        <label>no</label>
        <input type = "radio" value = "No">
    </div>
    <h1>THANKS FOR VISITING OUR PAGE</h1>
</form>
</body>
</html>

```

RESULT:

The webpage was created successfully



This page displays some maths formulae

S.NO	Formula
1	$(a+b)^2 = a^2 + b^2 + 2ab$
2	$\int (1/x) = \log(x)$
3	$d/dx (x^n) = nx^{n-1}$
4	$\sin^2 x = 1 - \cos 2x / 2$
5	$\tan(a+b) = \tan(a) + \tan(b) / 1 - \tan(a)\tan(b)$



2.7FORMULA

AIM:

To Write 10 formula should contain superscript , subscript , and a special character.

ALGORITHM:

- <sup> - To create superscript text
- <sub> - To create subscript text
- - To emphasize text

SOURCE CODE:

```
<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel = "stylesheet" href = "style.css">
    <title>2022503039_formula</title>
    <style>
        header{
            text-align :center ;
            text-decoration: bold;
        }
        footer{
            text-align :center ;
            text-decoration: bold;
        }
    </style>
</head>
<body>
    <header ><h1>This page displays some maths formulae<h1></header>
    <table class = "center">
        <caption>MATHS FORMULAE</caption>
        <thead>
            <tr>
                <th>S.NO</th>
                <th>Formula</th>
            </tr></thead>
            <tr>
                <td >1</td>
                <td>(a+b)2=a2+b2+2ab</td>
            </tr><tr>
```

```
<td>2</td>
<td>&int; (1/x) = log(x) </td>
</tr><tr>
<td>3</td>
<td><sup>d</sup>/<sub>dx</sub> (x<sup>n</sup>) = nx<sup>n-</sup></td>
</tr><tr>
<td>4</td>
<td>sin<sup>2</sup>x = 1-cos2x<sub>2</sub></td>
</tr><tr>
<td>5</td>
<td>tan(a+b) = tan(a) + tan(b) / <sub>1 - tan(a)tan(b)</sub></td>
</tr>
</table>
</body>
</html>
>
```

RESULT:

The webpage was created successfully

The screenshot shows a Microsoft Edge browser window with the title bar "2022503039_List". The address bar shows the file path "C:/Users/santh/Downloads/list.htm". The main content area contains the following text:

LIST OF PROGRAMMING LANGUAGES

ORDERED LIST

1. C
2. C++
3. Java
4. Python
5. Oracle
6. R

UNORDERED LIST

- C
- C++
- Java
- Python
- Oracle
- R

NESTED LIST

- PROGRAMMING :
 - C
 - C++
 - Java
 - Python
- WEB DESIGNING :
 - HTML
 - CSS
 - Javascript
 - PHP

The taskbar at the bottom of the screen includes icons for various applications like File Explorer, Edge, and Task View, along with system status indicators for battery, signal, and date/time (18-05-2023, 17:19).

2.8 LIST OF PROGRAMMING LANGUAGES

AIM:

Use all the three types of lists for creating a webpage that contains programming language

ALGORITHM:

- -Defines an unordered list
- -Defines an ordered list
- -Defines a list item
- <dl> -Defines a description list
- <dt> -Defines a term in a description list
- <dd> -Describes the term in a description list
- <header> - To create header
- <div> -Defines a division or a section in an HTML document.

SOURCE CODE:

```
<!DOCTYPE html>

<html>
  <head>
    <title>2022503039_list</title>
  </head>
  <style>
    body{
      border-style: solid;
      border-color: tomato;
    }
    h1{
      text-align: center;
      font-family: bahnschrift;
      border-left-color: tomato;
      border-right-color: tomato;
    }
  </style>
</html>
```

```
h2{  
    padding-left: 25px;  
    font-family: courier;  
}  
  
ol{  
    color: rosybrown;  
}  
  
ul{  
    color: darkblue;  
}  
  
</style>  
  
<body>  
  
    <h1><ins>LIST OF PROGRAMMING LANGUAGES</ins></h1>  
  
    <h2 style="color: rosybrown;"><ins>ORDERED LIST</ins></h2>  
  
    <OL>  
  
        <LI>C</LI>  
  
        <LI>C++</LI>  
  
        <LI>Java</LI>  
  
        <LI>Python</LI>  
  
        <LI>Oracle</LI>  
  
        <LI>R</LI>  
  
    </OL> <hr>  
  
    <h2 style="color:darkblue;"><ins>UNORDERED LIST</ins></h2>  
  
    <UL>  
  
        <LI>C</LI>  
  
        <LI>C++</LI>  
  
        <LI>Java</LI>  
  
        <LI>Python</LI>  
  
        <LI>Oracle</LI>
```

```
<LI>R</LI>
</UL> <hr>
<h2 style="color:darkorchid;"><ins>NESTED LIST</ins></h2>
<UL style="color:darkorchid;">
    <LI>PROGRAMMING :</LI>
    <UL style="color:darkorchid;">
        <LI>C</LI>
        <LI>C++</LI>
        <LI>Java</LI>
        <LI>Python</LI>
    </UL>
    <LI>WEB DESIGNING :</LI>
    <UL style="color:darkorchid;">
        <LI>HTML</LI>
        <LI>CSS</LI>
        <LI>Javascript</LI>
        <LI>PHP</LI>
    </UL>
</UL>
</OL>
</body>
</html>
```

RESULT:

The webpage was created successfully.

2022503039_Courses MIT

File | C:/Users/santh/Downloads/mitcourses.html

Institute of Technology

Courses:

Graduation Details

Department of Computer Engineering	N.S. Numerical Engineering
Department of Electronics Engineering	N.S. Other Electrical Engineering
Department of Automobile Engineering	N.S. Automobile Engineering
Department of Instrumentation Engineering	N.S. Automobile Engineering
Department of Production Engineering	N.S. Product Engineering
Department of Civil Engineering	N.S. Structural Engineering
Department of Electrical and Electronics Engineering	N.S. Other Electrical & Communication Engineering
Department of Information Technology	N.S. Other Electrical & Communication Engineering
Department of Computer Science and Engineering	N.S. Computer Science and Engineering
Department of Mathematics	N.S. Mathematics

Postgrad Details

Department of Computer Engineering	N.G. Numerical Engineering
Department of Electronics Engineering	N.G. Electronics
Department of Automobile Engineering	N.G. Automobile Engineering
Department of Instrumentation Engineering	N.G. Instrumentation Engineering
Department of Production Technology	N.G. Manufacturing Engineering
Department of Civil Engineering	N.G. Civil Engineering
Department of Electrical and Electronics Engineering	N.G. Other Electrical & Communication Engineering
Department of Information Technology	N.G. Other Electrical & Communication Engineering
Department of Computer Science and Engineering	N.G. Computer Science and Engineering
Department of Mathematics	N.G. Mathematics

35°C Sunny

Search

17:22 18-05-2023

2.9 UG PG COURSES

AIM:

To create a table of ug and pg courses offered by Anna University include AU logo also

ALGORITHM:

- <table> -Defines a table
- <th> -Defines a header cell in a table
- <tr> -Defines a row in a table
- <td> -Defines a cell in a table
- <caption> -Defines a table caption
- <marquee> -To move object in all direction
- <h1> to <h6> -To create heading
- <hr> -To create horizontal line
- <header> -To create header
- - To insert image

SOURCE CODE:

```
<!DOCTYPE html>

<html>
<head>
<title>2022503039_Courses MIT</title>
<style>
header {
    background-color: lightblue;
    text-align: center;
}
table {
    margin-left: auto;
    margin-right: auto;
    width: 50%;
    height: 50%;
```

```
    font-size: large;  
}  
  
table, tr {  
    border: 2px solid lightblue;  
    border-collapse: collapse;  
}  
  
td.h1 {  
    background-color: lightblue;  
    font-style: italic;  
}  
  
th, td, tr, p {  
    padding-top: 0px;  
    padding-bottom: 0px;  
    padding-left: 5px;  
    padding-right: 5px;  
}  
  
td.hh {  
    vertical-align: top;  
}  
  
h2 {  
    color: darkblue;  
}  
  
tr:hover {  
    background-color: rgb(232, 238, 144);  
}  
  
</style>  
</head>  
<body style="background-color: antiquewhite;">  
<marquee behavior="scroll" direction="left" scrollamount="20">
```

```
<h1>Madras Institute of Technology</h1>
</marquee>
<h2>Courses</h2>
<table>
<tr>
<td colspan="2" class="h1">Undergraduate Course</td>
</tr><tr>
<td width="250" class="hh">Department of Aerospace Engineering</td>
<td><p>B.E Aeronautical Engineering</p>
<p>B.E (Part Time) Aeronautical Engineering</p>
</td></tr><tr>
<td class="hh">Department of Automobile Engineering</td>
<td><p>B.E Automobile Engineering</p>
<p>B.E (Part Time) Automobile Engineering</p>
</td></tr><tr>
<td class="hh">Department of Instrumentation Engineering</td>
<td><p>B.E Electronics and Instrumentation Engineering</p>
</td></tr><tr>
<td class="hh">Department of Production Technology</td>
<td><p>B.E Production Engineering</p>
<p>B.E Mechanical Engineering</p>
<p>B.E (Part Time) Production Engineering</p>
<p>B.E (Part Time) Mechanical Engineering</p>
</td></tr><tr>
<td class="hh">Department of Rubber and Plastics Technology</td>
<td>B.Tech Rubber and Plastic Technology</td>
</tr><tr><td class="hh">Department of Electronics Engineering</td>
<td><p>B.E (Full Time) Electronics & Communication Engineerin</p>
<p>B.E (Part Time) Electronics & Communication Engineering
```

```

</td></tr><tr>
<td class="hh">Department of Computer Science and Engineering</td>
<td>B.E Computer Science and Engineering</td>
</tr><tr><td class="hh">Department of Information Technology</td>
<td>B.Tech Information Technology</td>
</tr>
</table>

<br><br><hr><br><br>
<table>
<tr><td colspan="2" class="h1">Postgraduate Course</td>
</tr><tr>
<td width="250" class="hh">Department of Aerospace Engineering</td>
<td width="450">
<p>M.E Aeronautical Engineering
<p></p>M.E Avionics<p></p>M.E Aerospace Technology<p></p>M.E (Part Time)
Avionics</p>
</td></tr><tr>
<td class="hh">Department of Automobile Engineering</td>
<td><p>M.E Automobile Engineering</p>
</td></tr><tr>
<td class="hh">Department of Instrumentation Engineering</td>
<td><p>M.E Instrumentation Engineering</p>
</td></tr><tr>
<td class="hh">Department of Production Technology</td>
<td><p>M.E Manufacturing Engineering
<p></p>M.E Mechatronics<p></p>M.E (Part Time) Manufacturing
Engineering<p></p>M.E (Part Time) Manufacturing Engineering with Specialization in
Green Manufacturing</p>
</td></tr><tr>
<td class="hh">Department of Rubber and Plastics Technology</td>

```

```

<td>M.Tech Rubber and Plastic Technology</td>
</tr><tr>

<td class="hh">Department of Electronics Engineering</td>
<td><p>M.E Communication & Networking</p>
<p>M.E Wireless Technology</p>
<p>M.E (Part Time) Wireless Technology</p>
<p>M.E VLSI Design and Embedded Systems</p>
<p>M.E (Part Time) VLSI Design and Embedded Systems</p>
</td></tr><tr>

<td class="hh">Department of Computer Science and Engineering</td>
<td><p>M.E Computer Science and Engineering</p>
<p>M.E (Part Time)Computer Science and Engineering</p>
</td></tr><tr>

<td class="hh">Department of Information Technology</td>
<td><p>M.Tech Information Technology</p>
<p>M.Tech (Part Time) Information Technology</p>
</td></tr><tr>

<td class="hh">Department of Applied Science & Humanities</td>
<td><p>M.Phil Mathematics</p>
<p>M.Sc Applied Mathematics</p>
</td></tr>

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

```

RESULT:

The webpage was created successfully

RUSA BATCH 1 SEM-2										
DAY	HOUR-1 (8.30-9.20)	HOUR-2 (9.20-10.10)	BREAK (10.10-10.30)	HOUR-3 (10.30-11.20)	HOUR-4 (11.20-12.10)	LUNCH (12.10-1.10)	HOUR-5 (1.10-2.00)	HOUR-6 (2.00-2.50)	HOUR-7 (2.50-3.40)	HOUR-8 (3.40-4.30)
MONDAY	CY6252			CY6252			FREE			
TUESDAY	CY6252	GE6251		MA6252			GE6252	FREE		
WEDNESDAY	HS6252		BREAK	HS6252		LUNCH	GE6252			
THURSDAY	HS6252			CY6252			CS6103	FREE		
FRIDAY	CS6103			CS6103			HS6252		FREE	

SUBJECT CODE	SUBJECT NAME
CS6103	APPLICATION DEVELOPMENT PRACTICES
MA6252	DISCRETE MATHS
HS6252	TECHNICAL ENGLISH
CY6252	ENGINEERING CHEMISTRY
GE6252	HERITAGE OF TAMILS

2.10EXTERNAL CSS TIME TABLE

AIM:

To create time table using external css

ALGORITHM:

- <table> -Defines a table
- <th> -Defines a header cell in a table
- <tr> -Defines a row in a table
- <td> -Defines a cell in a table
- <caption> -Defines a table caption
- <col> -Specifies column properties for each column within a <colgroup> element
- <colgroup> -Specifies a group of one or more columns in a table for formatting

SOURCE CODE:

```
<!DOCTYPE html>

<html>
<head>
    <Title>TIMETABLE_2022503039</Title>
</head>

<body style="background-color:rgb(245, 244, 242)">
    <h1 style="text-align:center;color:blueviolet;"><b>RUSA BATCH 1<br>
    SEM-2</b></h1>

    <table border="solid;" align="center" >
        <th>DAYS</th>
        <th>HOUR-1<br>(8.30-9.20)</th>
        <th>HOUR-2<br>(9.20-10.10)</th>
        <TH>BREAK<br>(10.10-10.30)</TH>
        <th>HOUR-3<br>(10.30-11.20)</th>
        <th>HOUR-4<br>(11.20-12.10)</th>
        <th>LUNCH<br>(12.10-1.10)</th>
        <th>HOUR-5<br>(1.10-2.00)</th>
        <th>HOUR-6<br>(2.00-2.50)</th>
```

```

<th>HOUR-7<br>(2.50-3.40)</th>
<th>HOUR-8<br>(3.40-4.30)</th>
<style>
.lab {
    background-color:rgb(211, 180, 185);
}
.period{
    background-color:green
}
</style>
<tr align="center">
<td>MONDAY</td>
<td colspan="2" class="lab" >CY6252</td>
<td rowspan="5">BREAK</td>
<td colspan="2" class="lab">CY6252</td>
<td rowspan="5">LUNCH</td>
<td colspan="4">FREE</td>
</tr>
<tr align="center">
<td>TUSEDAY</td>
<td class="period">CY6252</td>
<td class="period">GE6251</td>
<td colspan="2" class="period">MA6252</td>
<td colspan="2" class="period">GE6252</td>
<td colspan="2">FREE</td>
</tr><tr align="center">
<td>WEDNESDAY</td>
<td colspan="2" class="period">HS6252</td>
<td colspan="2">FREE</td>

```

```

<td colspan="4" class="lab">GE6252</td>
</tr><tr align="center">
<td>THURSDAY</td>
<td colspan="2" class="period">HS6252</td>
<td colspan="2" class="period">CY6252</td>
<td class="period">CS6103</td>
<td colspan="3">FREE</td>
</tr><tr align="center">
<td>FRIDAY</td>
<td colspan="2" class="lab">CS6103</td>
<td colspan="2" class="lab">CS6103</td>
<td colspan="2" class="period">HS6252</td>
<td colspan="2">FREE</td>
</tr></table> <br>

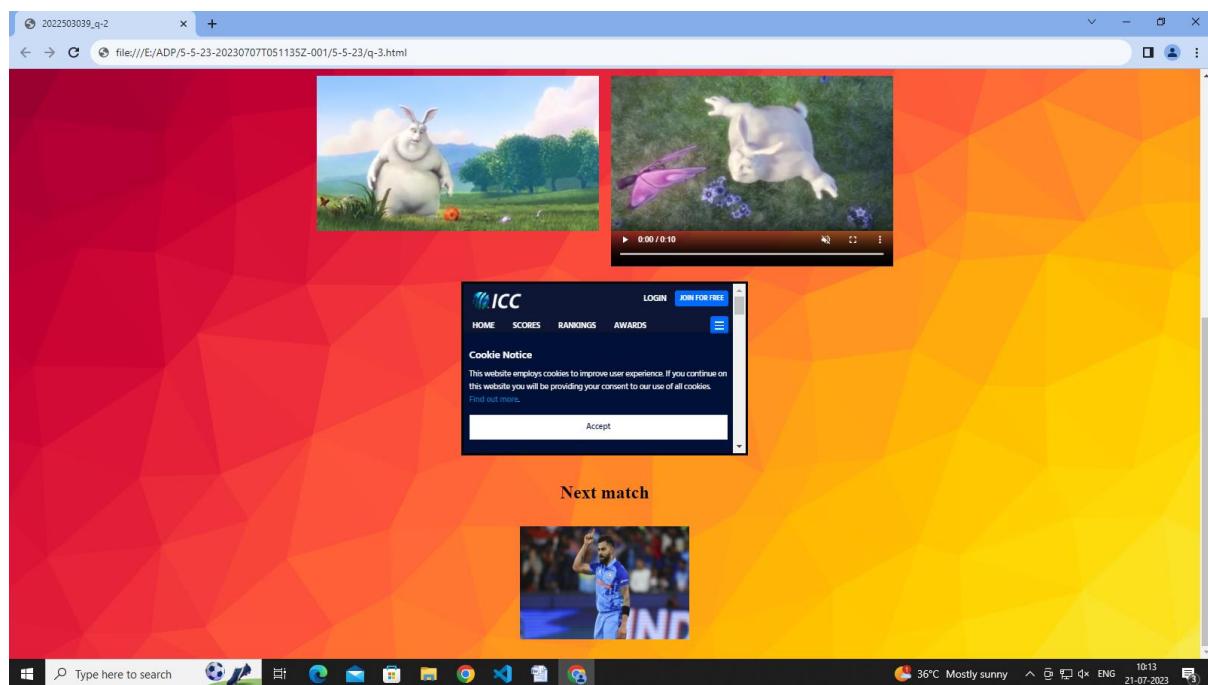
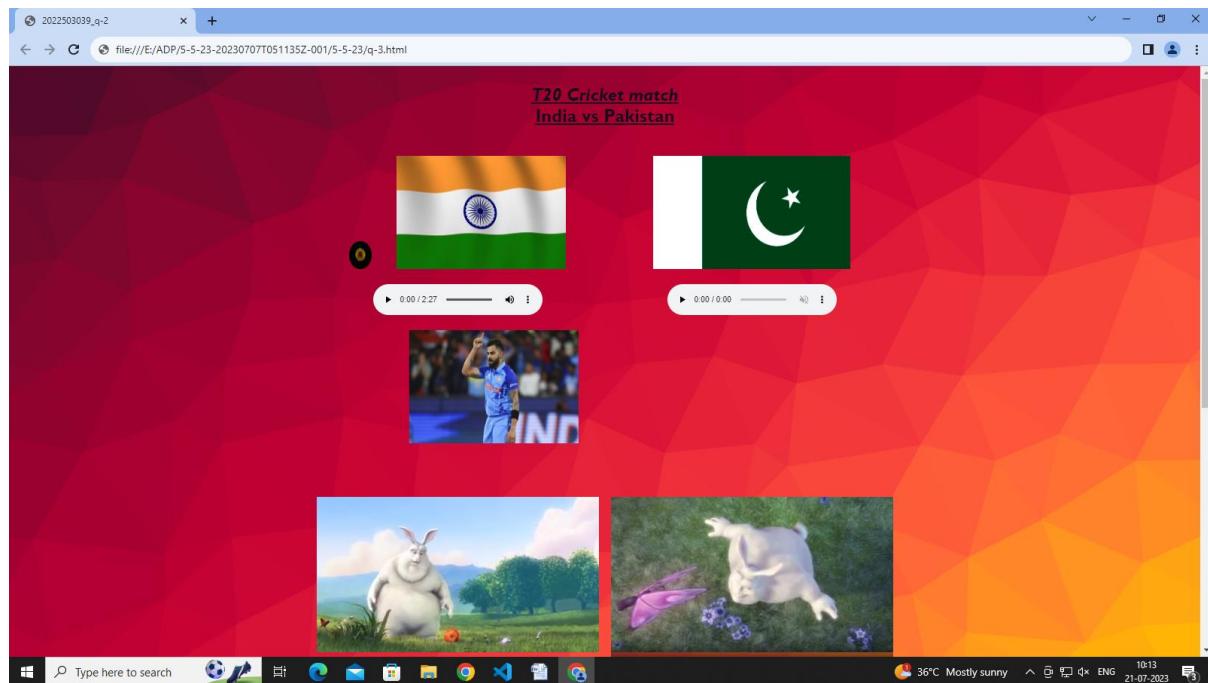
<table border="solid" align="center">
<th>SUBJECT CODE</th>
<th>SUBJECT NAME</th>
<tr align="center">
<td>CS6103</td>
<td>APPLICATION DEVELOPMENT PRACTICES</td>
</tr><tr align="center">
<td>MA6252</td>
<td>DISCRETE MATHS</td>
</tr><tr align="center">
<td>HS6252</td>
<td>TECHNICAL ENGLISH</td>
</tr><tr align="center">
<td>CY6252</td>
<td>ENGINEERING CHEMISTRY</td>

```

```
</tr><tr align="center">
<td>GE6252</td>
<td>HERITAGE OF TAMILS</td>
</tr>
</head>
</body>
</html>
```

RESULT:

The webpage was created successfully



3.1 T20 MATCH

AIM:

To create a webpage about T20 match

ALGORITHM:

- <video> -Defines a video or movie
- <source> -Defines multiple media resources for media elements, such as <video> and <audio>
- <track> -Defines text tracks in media players
- <audio> -Defines sound content
- <iframe> -To play your video on a web page

SOURCE CODE:

```
<!DOCTYPE html>

<html>

    <head>

        <title>2022503039_q-2</title>

        <style>

            img{

                padding-left:20px;

                padding-right:20px;

            }

            td,th{

                padding:10px;

                text-align:center;

            }

            body{

                background-image:url('image-background.jpg');

                background-repeat: no-repeat;

            }

        </style>

    </head>

    <body>

        <h1>T20 MATCH</h1>

        <p>This is a webpage about T20 Match.</p>

        <img alt="Background image of a cricket stadium at night." data-bbox="100 100 900 800" />

        <table border="1">

            <thead>

                <tr>
                    <th>Team A</th>
                    <th>Team B</th>
                </tr>
            </thead>

            <tbody>

                <tr>
                    <td>Score: 120/5</td>
                    <td>Score: 130/4</td>
                </tr>

                <tr>
                    <td>Wickets: 5</td>
                    <td>Wickets: 4</td>
                </tr>

                <tr>
                    <td>Overs: 18.2</td>
                    <td>Overs: 19.1</td>
                </tr>

            </tbody>

        </table>

    </body>

</html>
```

```

background-size: cover;
}

</style>

</head>

<body>

<h1 style="text-align:center;padding:10px;text-decoration: underline;color:rgb(22, 14, 29);font-family: 'Gill Sans', 'Gill Sans MT', Calibri, 'Trebuchet MS', sans-serif;font-size: xx-large;"><i>T20 Cricket match</i><br>

India vs Pakistan</h1>

<table align="center" style="padding:10px;">

<th>



</th>

<th></th>

<tr><td>

<audio controls autoplay preload="auto">

<source src="national anthem.mp3" type="audio/mpeg">

your browser doesnt support this type of audio file

</audio>

</td><td >

<audio controls preload="none" muted>

<source src="national anthem.mp3" type="audio/mpeg">

your browser doesnt support this type of audio file

</audio>

</td></tr><tr>

<td colspan="2">

<marquee>

```

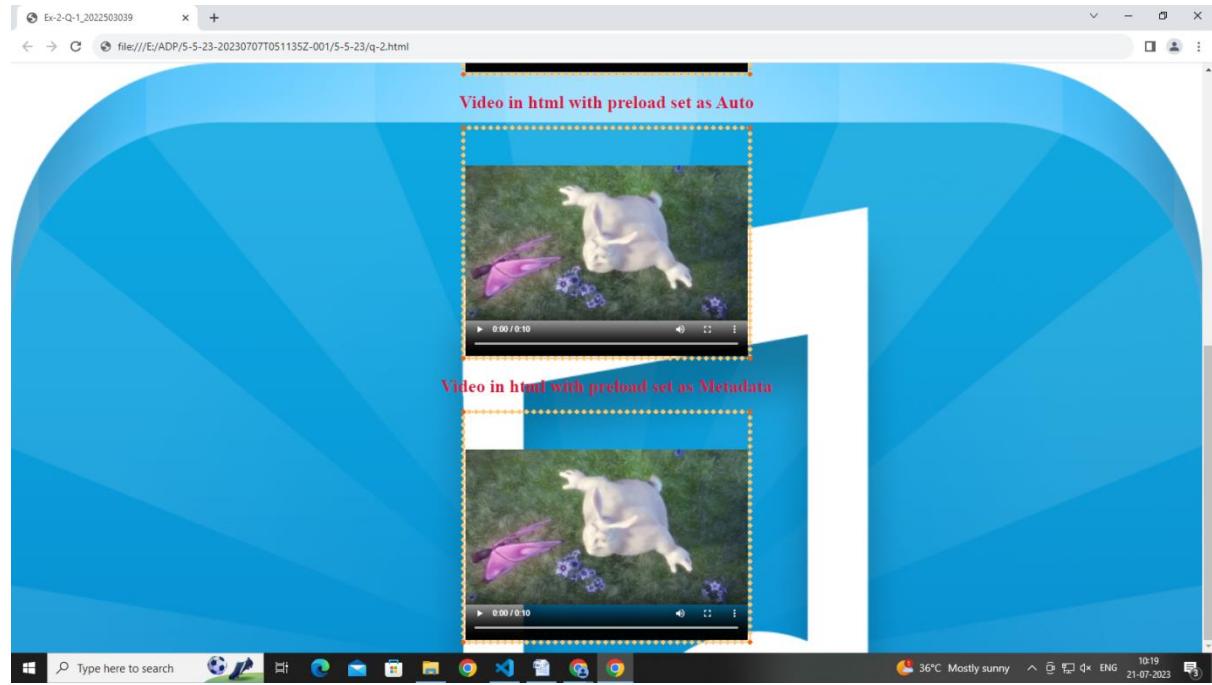
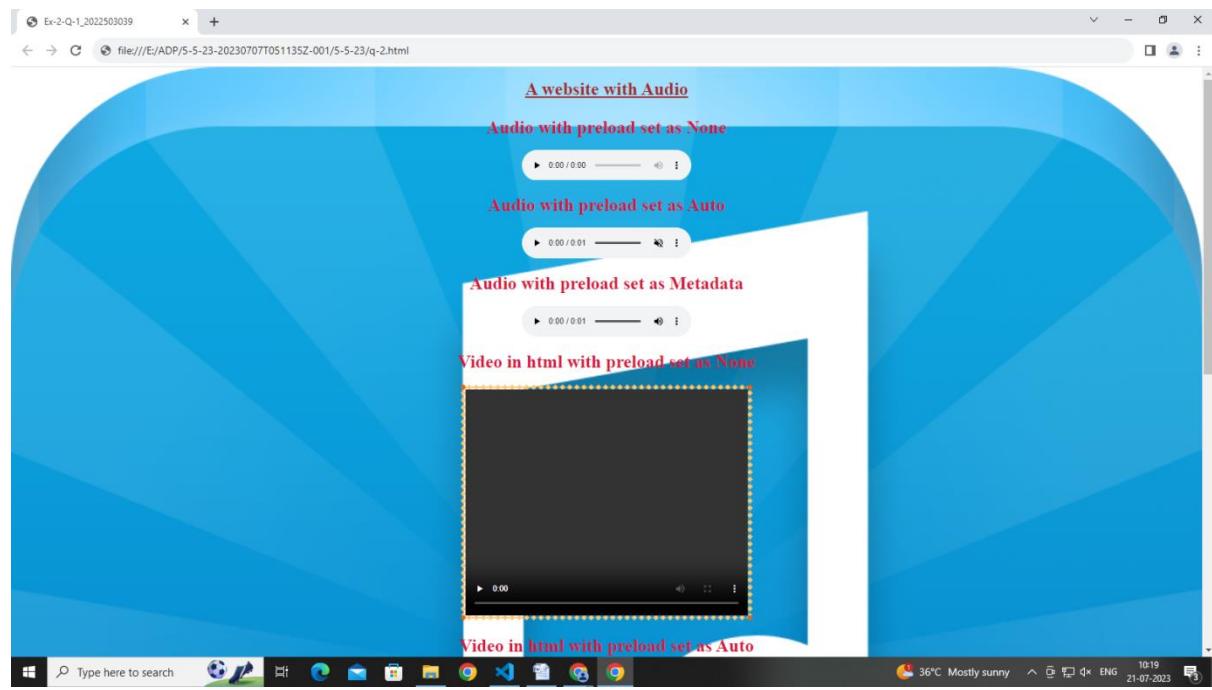
```


</marquee>
</td></tr><tr>
<td>
<video width="500px" height="400px" autoplay muted>
<source src="video.mp4" type="video/mp4">
</video>
</td><td>
<video controls width="500px" height="400px" muted>
<source src="video.mp4" type="video/mp4">
</video>
</td></tr><tr>
<td colspan="2" align="center">
<iframe
src="https://www.bing.com/ck/a?!&&p=36c75eecfa041ba6JmltdHM9MTY4MzY3NjgwMC
ZpZ3VpZD0yMjdjMGRkNS0zZjIzLTZhZTkMjUwMy0xZjJlM2U4ZTZiOWUmaW5zaWQ
9NTIxMg&ptn=3&hsh=3&fclid=227c0dd5-3f23-6ae9-2503-
1f2e3e8e6b9e&psq=ind+vs+pakistan+scorecard+2022+virat+82+hotstar&u=a1aHR0cHM6L
y93d3cuaWNjLWNyaWNrZXQuY29tL3ZpZGVvLzi4Njk3MDU&ntb=1" height="300px"
width="500px" style="border-style:solid; border-width:5px" title="Virat's Magic"></iframe>
</td> </tr><tr>
<td colspan="2">
<h1>Next match</h1><br>
<center></center>
</td>
</tr></table>
</body>
</html>

```

RESULT:

The webpage was created successfully



3.2 PRELOAD ATTRIBUTE

AIM:

To create a webpage by using preload attribute

ALGORITHM:

- <video> -Defines a video or movie
- <source> -Defines multiple media resources for media elements, such as <video> and <audio>
- <track> -Defines text tracks in media players
- <audio> -Defines sound content

SOURCE CODE:

```
<!DOCTYPE html>
<html>
  <head>
    <title>Ex-2-Q-1_2022503039</title>
  </head>
  <style>
    .align{
      text-align:center;
      color:crimson;
    }
    .heading{
      text-align:center;
      text-decoration: underline;
      padding-bottom:10px;
      color:brown;
    }
    .background{
```

```

background-image:
url("https://th.bing.com/th/id/R.1517dbd3295dbda9cc43032516115eba?rik=jVrE9EY5863mz
Q&riu=http%3a%2f%2fwww.digitalconnectmag.com%2fwp-
content%2fuploads%2f2017%2f09%2fAudio-downloader-
app.png&ehk=zt3THoUR1uBkz7gC5GDTzUokPCyNThR0xdE6Rgc%2fXlA%3d&risl=&pi
d=ImgRaw&r=0");

background-size:cover;
background-repeat: no-repeat;
background-attachment: fixed;
}

.border{
border-style: solid;
border-width:10px;
border-image:url('border2.png');
border-image-repeat: round;
border-image-slice:30%;

}

```

</style>

<body class="background">

<h1 class="heading" >A website with Audio</h1>

<div class="align">

<h1>Audio with preload set as None</h1>

<audio controls preload="None">

<source src="horse.ogg" type="audio/ogg">

The browser doesnt support this type of audio file

</audio>

</div>

<div class="align">

<h1 >Audio with preload set as Auto</h1>

<audio controls autoplay muted preload="auto">

<source src="horse.ogg" type="audio/ogg">

```

</audio>  </div>

<div class="align">
  <h1>Audio with preload set as Metadata</h1>
  <audio controls preload="metadata">
    <source src="horse.ogg" type="audio/ogg">
  </audio>  </div>

<div class="align">
  <h1> Video in html with preload set as None</h1>
  <video width="500px" height="400px" preload="None" controls class="border">
    <source src="video.mp4" type="video/mp4">      </video>  </div>

<div class="align">
  <h1> Video in html with preload set as Auto</h1>
  <video width="500px" height="400px" preload="Auto" autoplay controls
class="border">
    <source src="video.mp4" type="video/mp4">
  </video>
</div>

<div class="align">
  <h1> Video in html with preload set as Metadata</h1>
  <video width="500px" height="400px" preload="Metadata" controls class="border">
    <source src="video.mp4" type="video/mp4">
  </video>
</div>
</body>
</html>

```

RESULT:

The webpage was created successfully

Ex-3q-1_2022503039 file:///E/ADP/5-5-23-20230707T051135Z-001/5-5-23/q-1.html#html

Description about HTML and CSS

[Go to HTML](#) [Go to CSS](#)

Basic Description about HTML

There are various tags that we must consider and include while starting to code in HTML. These tags help in the organization and basic formatting of elements in our script or web pages. These step-by-step procedures will guide you through the process of writing HTML.

Basic HTML Document: Below mentioned are the basic HTML tags that divide the whole document into various parts like head, body, etc.

Every HTML document begins with a HTML document tag. Although this is not mandatory, it is a good convention to start the document with this below-mentioned tag. Please refer to the HTML Doctypes article for more information related to Doctypes.

<html> :
Every HTML code must be enclosed between basic HTML tags. It begins with <html> and ends with </html> tag.

<head> :
The head tag comes next which contains all the header information of the web page or documents like the title of the page and other miscellaneous information.
This information is enclosed within the head tag which opens with <head> and ends with </head>. The contents will of this tag will be explained in the later sections of the course.

<title> :
We can mention the title of a web page using the <title> tag.
This is header information and hence is mentioned within the header tags.
The tag begins with <title> and ends with </title>.

<body> :
Next step is the most important of all the tags we have learned so far.
The body tag contains the actual body of the page which will be visible to all the users.
This opens with <body> and ends with </body>.
All content enclosed within this tag will be shown on the web page be it writings or images or audio or videos or even links.
We will see later in the section how using various tags we may insert mentioned contents into our web pages.

Go to top

36°C Mostly sunny 10:23 21-07-2023

Ex-3q-1_2022503039 file:///E/ADP/5-5-23-20230707T051135Z-001/5-5-23/q-1.html#html

Basic Description about CSS

Cascading Style Sheets, fondly referred to as CSS, is a simple design language intended to simplify the process of making web pages presentable.

CSS handles the look and feel part of a web page. Using CSS, you can control the color of the text, the style of fonts, the spacing between paragraphs, how columns are sized and laid out, what background images or colors are used, layout designs, variations in display for different devices and screen sizes as well as a variety of other effects.

CSS is easy to learn and understand but it provides powerful control over the presentation of an HTML document. Most commonly, CSS is combined with the markup languages HTML or XHTML.

Advantages of CSS:

1. CSS saves time - You can write CSS once and then reuse same sheet in multiple HTML pages.
You can define a style for each HTML element and apply it to as many Web pages as you want.
2. Pages load faster - If you are using CSS, you do not need to write HTML tag attributes every time.
Just write one CSS rule of a tag and apply it to all the occurrences of that tag. So less code means faster download times.
3. Easy maintenance - To make a global change, simply change the style, and all elements in all the web pages will be updated automatically.
4. Superior styles to HTML - CSS has a much wider array of attributes than HTML,
so you can give a far better look to your HTML page in comparison to HTML attributes.
5. Multiple Device Compatibility - Style sheets allow content to be optimized for more than one type of device.
By using the same HTML document, different versions of a website can be presented for handheld devices such as PDAs and cell phones or for printing.
6. Global web standards - Now HTML attributes are being deprecated and it is being recommended to use CSS.
So its a good idea to start using CSS in all the HTML pages to make them compatible to future browsers.

Go to top

36°C Mostly sunny 10:23 21-07-2023

3.3 USAGE OF DIV AND SPAN

AIM:

To create a webpage by using div and span tag

ALGORITHM:

- <div> -Defines a division or a section in an HTML document
- -Defines a section in a document

SOURCE CODE:

```
<!DOCTYPE html>

<html>

<head>

<title>Ex-3:q-1_2022503039 </title>

<style>

#html{
    font-size: 20px;
    background-color:black;
    color:white;
}

#css{
    font-size:20px;
    background-color:black;
    color:yellowgreen;
}

#box{
    border:solid 2px;
}

#ali{
    margin-left:auto;
    margin-right:auto;
}
```

```

        }
    </style>
</head>
<body>
<div id="top">
    <h1 style="text-align: center;text-decoration: underline;">Description about HTML and
    CSS</h1>
    <button><a href="#html">Go to HTML</a></button>
    <button><a href="#css">Go to CSS</a></button>
</div>
<div id="html">
    <h1>Basic Description about HTML</h1>
    <pre><p>

```

There are various tags that we must consider and include while starting to code in HTML.

These tags help in the organization and basic formatting of elements in our script or web pages.

These step-by-step procedures will guide you through the process of writing HTML.

Basic HTML Document: Below mentioned are the basic HTML tags that divide the whole document into various parts like head, body, etc.

Every HTML document begins with a HTML document tag. Although this is not mandatory, it is a good convention to start the document with this below-mentioned tag.

Please refer to the HTML Doctypes article for more information related to Doctypes.

```
<span id="box"> &lt;html&gt; </span>:
```

Every HTML code must be enclosed between basic HTML tags. It begins with <html> and ends with </html> tag.

```
<span id="box"> &lt;head&gt; </span>:
```

The head tag comes next which contains all the header information of the web page or documents like the title of the page and other miscellaneous information.

This information is enclosed within the head tag which opens with <head> and ends with </head>;

The contents will of this tag will be explained in the later sections of the course.

```
<span id="box"> &lt;title&gt; </span>:
```

We can mention the title of a web page using the <title> tag.

This is header information and hence is mentioned within the header tags.

The tag begins with <title> and ends with </title>;

```
<span id="box"> &lt;body&gt; </span>:
```

Next step is the most important of all the tags we have learned so far.

The body tag contains the actual body of the page which will be visible to all the users.

This opens with <body> and ends with </body>;

All content enclosed within this tag will be shown on the web page be it writings or images or audio or videos or even links.

We will see later in the section how using various tags we may insert mentioned contents into our web pages.

```
</p></pre>
```

```
<center><button><a href="#top">Go to top</a></button></center>
```

```
</div>
```

```
<div id="css">
```

```
<h1>Basic Description about CSS</h1>
```

```
<pre>
```

Cascading Style Sheets, fondly referred to as CSS, is a simple design language intended to simplify the process of making web pages presentable.

CSS handles the look and feel part of a web page. Using CSS, you can control the color of the text, the style of fonts,

the spacing between paragraphs, how columns are sized and laid out, what background images or colors are used, layout designs,

variations in display for different devices and screen sizes as well as a variety of other effects.

CSS is easy to learn and understand but it provides powerful control over the presentation of an HTML document. Most commonly,

CSS is combined with the markup languages HTML or XHTML.

Advantages of CSS:

1. CSS saves time – You can write CSS once and then reuse same sheet in multiple HTML pages.

You can define a style for each HTML element and apply it to as many Web pages as you want.

2. Pages load faster – If you are using CSS, you do not need to write HTML tag attributes every time.

Just write one CSS rule of a tag and apply it to all the occurrences of that tag. So less code means faster download times.

3. Easy maintenance – To make a global change, simply change the style, and all elements in all the web pages will be updated automatically.

4. Superior styles to HTML – CSS has a much wider array of attributes than HTML,

so you can give a far better look to your HTML page in comparison to HTML attributes.

5. Multiple Device Compatibility – Style sheets allow content to be optimized for more than one type of device.

By using the same HTML document, different versions of a website can be presented for handheld devices such as PDAs and cell phones or for printing.

6. Global web standards – Now HTML attributes are being deprecated and it is being recommended to use CSS.

So its a good idea to start using CSS in all the HTML pages to make them compatible to future browsers.</p>

```
</pre>
<center><button><a href="#top">Go to top</a></button></center>
</div>
</body>
</html>
```

RESULT:

The webpage was created successfully

2022503039_3.1(BE form) +

File | E/ADP/exercise%204%201205/be%20form.html

GOVERNMENT OF TAMIL NADU
TAMIL NADU ENGINEERING ADMISSION - 2023

Registration

*Name : As per 12th Marksheet

*Mobile Number : Your Mobile Number

*E-Mail ID : E-Mail ID

*Confirm E-Mail ID : Confirm Email

*Date Of Birth : dd-mm-yyyy

*Whether I Passed : Yes No

*Qualifying Examination : State Board

*Password : Password

*Confirm Password : Confirm Password

Academic Information:

*REG NO: HSE

*HSE mark: Of 600

*SSLC mark: Of 500

File upload:

*HSC mark sheet: No file chosen

*SSLC mark sheet: No file chosen

Submit Reset

Type here to search

36°C Mostly sunny 10:26 21-07-2023

4.1 BE COUNSELING REGISTRATION

AIM:

To create TNEA BE counseling registration webpage

ALGORITHM:

- <header> - To create header
- -Insert image
- <label> -Defines a label for an <input> element
- <input> -Defines an input control
- <form> -Defines an HTML form for user input
- <fieldset> -Groups related elements in a form
- <legend> -Defines a caption for a <fieldset> element

SOURCE CODE:

```
<!DOCTYPE html>

<html>

<head>

<title>2022503039_3.1(BE form)</title>

<style>

div.heading{

    text-align: center;

    border: 1px solid ;

    height: 67px;;

    padding-top: 10px;

    padding-bottom: 10px;

    padding-left: 10px;

    background-color: whitesmoke;

}

div.headtext{

    font-weight: 700;

    line-height: 1.7;
```

```
color: #000;  
}  
  
fieldset{  
    border:2px solid;  
    border-color:rgb(82, 180, 236);  
    border-radius: 1px;  
    width: 1500px;  
    position:static;  
}  
  
legend{  
    font-size: 20px;  
    border: 2px solid rgb(82, 180, 236);  
    padding:10px;  
    padding-right: 20px;  
    padding-left: 20px;  
    text-align: center;  
}  
  
.form-submit{  
    display: flex;  
    justify-content: center;  
}  
  
mark{  
    color:red;  
    background-color: white;  
}  
  
label{  
    display: inline-block;  
    width: 175px;  
}
```

```

input,option,select{
    padding:10px;
    width:500px;
}
button{
    text-align: center;
}
</style>
</head>
<body>
<header>
<div class="heading">
    
    <div class="headtext">
        <span style="font-size: 20px; font-family: Verdana, Geneva, Tahoma, sans-serif;"><b>GOVERNMENT OF TAMIL NADU </b></span> <br>
        <span style="font-size: 15px; font-family: Verdana, Geneva, Tahoma, sans-serif;"><b>TAMIL NADU ENGINEERING ADMISSION - 2023</b> </span>
    </div>
</div>
</header>
<br><br>
<div class="registration">
<div class="form-submit">
<form>
    <fieldset>
        <legend>Registration</legend>
        <label><mark>*</mark>Name :</label>
        <input type="text" placeholder="As per 12th Marksheets"><br><br>

```

```

<label><mark>*</mark>Mobile Number : </label>
<input type="number" placeholder="Your Mobile Number"><br><br>
<label><mark>*</mark>E-Mail ID : </label>
<input type="email" placeholder="E-Mail ID"><br><br>
<label><mark>*</mark>Confirm E-Mail ID : </label>
<input type="email" placeholder="Confirm Email"><br><br>
<label><mark>*</mark>Date Of Birth : </label>
<input type="date" placeholder="dob"><br><br>
<label><mark>*</mark>Whether +1 Passed : </label>
<input style="width: 15px;" type="radio" id="Yes" name="11th">Yes
<input style="width: 15px;" type="radio" id="No" name="11th">No<br><br>
<label><mark>*</mark>Qualifying Examination : </label>
<select name="exam" id="exam">
    <option value="hsc">State Board</option>
    <option value="cbse">CBSE</option>
    <option value="icse">ICSE</option>
    <option value="others">OTHERS</option>
</select> <br><br>
<label><mark>*</mark>Password : </label>
<input type="password" placeholder="Password"><br><br>
<label><mark>*</mark>Confirm Password : </label>
<input type="password" placeholder="Confirm Password"><br><br>
</fieldset>
<fieldset>
    <legend>Academic Information:</legend>
    <label for="regno"><mark>*</mark>REG NO:</label>
    <input type="number" id="regno" name="regno" required
placeholder="HSE"><br><br>
    <label for="hscm"><mark>*</mark>HSE mark:</label>

```

```

<input type="number" id="hscm" name="hscm" required min="210" max="600"
placeholder="Of 600"><br><br>

<label for="sslcm"><mark>*</mark>SSLC mark:</label>

<input type="number" id="sslcm" name="sslcm" required min="175"
max="500" placeholder="Of 500" ><br><br>

</fieldset>

<fieldset>

<legend>File upload:</legend>

<label for="dhsc"><mark>*</mark>HSC mark sheet:</label>

<input type="file" id="dhsc" name="dhsc" required><br><br>

<label for="dsslc"><mark>*</mark>SSLC mark sheet:</label>

<input type="file" id="dsslc" name="dsslc" required><br><br>

</fieldset> <br>

<div class="button">

    <input style="width: 80px;padding:10px;background-color:rgb(0, 153, 255);"
type="submit">

    <input style="width: 80px;padding:10px;background-color:rgb(253, 70, 70);"
type="reset">

</div>

</form>

</div>

</div>

</body>

</html>

```

RESULT:

The webpage was created successfully

2022503039-ex-3-q-1

file:///E:/ADP/12-5-23-20230707T051135Z-001/12-5-23/q-3.html

Personal Details

Personal details Required contents are highlighted *

Full name : First name Middle name Last name

Date of Birth : dd - mm - yyyy

Gender : male Female Other

Father's Name :

Mother's Name :

Blood Group : O+

Mobile Number : 123-456-7890

Email ID : @gmail.com

Permanent address :

Enter Permanent address

Hobbies:

Enter Permanent address

Photo(Max:100mb jpeg/Png/jpg) :



4.2 PERSONAL INFORMATION

AIM:

To create simple webpage for getting personal information

ALGORITHM:

- <label> -Defines a label for an <input> element
- <input> -Defines an input control
- <form> -Defines an HTML form for user input
- <fieldset> -Groups related elements in a form
- <legend> -Defines a caption for a <fieldset> element
- <select> -Defines a drop-down list
- <option> -Defines an option in a drop-down list

SOURCE CODE:

```
<!Doctype html>

<html>

    <head>

        <title> 2022503039-ex-3-q-1</title>

        <style>

            .pad{
                padding:5px;
                text-align:left;
            }

            :required{
                border-style: solid;
                border-width:120%;
            }

            .form_css{
                background-color: rgba(91, 140, 233,0.4);
                border-style: solid;
            }

        </style>

    </head>

    <body>

        <form>

            <label>First Name:</label>
            <input type="text" class="pad" />

            <label>Last Name:</label>
            <input type="text" class="pad" />

            <label>Gender:</label>
            <input type="text" class="pad" />

            <label>Address:</label>
            <input type="text" class="pad" />

            <label>City:</label>
            <input type="text" class="pad" />

            <label>State:</label>
            <input type="text" class="pad" />

            <label>Zip:</label>
            <input type="text" class="pad" />

            <label>Phone:</label>
            <input type="text" class="pad" />

            <label>Email:</label>
            <input type="text" class="pad" />

            <label>Password:</label>
            <input type="password" class="pad" />

            <label>Confirm Password:</label>
            <input type="password" class="pad" />

            <input type="checkbox" /> I agree to the terms and conditions

            <input type="submit" value="Submit" />

        </form>

    </body>

</html>
```

```

border-width:10px;
width:700px;
}

</style>
</head>
<body>

<h1 style="text-align:center;text-decoration:underline;">Personal Details</h1>
<center><form action="Results.html" method="get" enctype="multipart/form-data"
class="form_css">

<span style="font-size:10px"><caption>Required contents are highlighted
*</caption></span>

<fieldset>
<legend>Personal details</legend>
<div class="pad">
<label for="Name">Full name : </label><br>
<input id="Name" type="text" placeholder="First name" name="First Name"
required>
<input id="Name" type="text" placeholder="Middle name" name="Middle Name">
<input id="Name" type="text" placeholder="Last name" name="Last Name">
</div>
<div class="pad">
<label for="Date">Date of Birth : </label>
<input id="Date" type="date" placeholder="dd-mm-yy" name="DOB" required>
</div>
<div class="pad">
<label for="Gender">Gender : </label><br>
<span style="padding:3px; border-style:ridge">male:</span>
<input type="radio" id="Gender" name="Gender" value="Male">
</span>
<span style="padding:3px; border-style:ridge">

```

Female:

```
<input type="radio" id="Gender" name="Gender" value="Female">  
</span>  
<span style="padding:3px; border-style:ridge"> Other:  
<input type="radio" id="Gender" name="Gender" value="Other"> </span>  
<div class="pad" style="padding-top:10px;">  
<label for="Father name">Father's Name : </label>  
<input type="text" name="Father's Name" id="Father name"> </div>  
<div class="pad">  
<label for="Mother name">Mother's Name : </label>  
<input type="text" name="Mother's Name" id="Mother name">  
</div> <div class="pad">  
<label for="Bg">Blood Group : </label>  
<select name="Blood Group" id="bg">  
    <option value="O+">O+</option>  
    <option value="O->">O-</option>  
    <option value="A+">A+</option>  
    <option value="B+">B+</option>  
    <option value="AB+">AB+</option>  
    <option value="A->">A-</option>  
    <option value="B->">B-</option>  
    <option value="AB->">AB-</option>  
</select> </div> </div>  
<div class="pad">  
<label for="number">Mobile Number : </label>  
<input id="number" type="tel" pattern="[0-9]{3}-[0-9]{3}-[0-9]{4}"  
placeholder="123-456-7890" name="mobile number" required>  
</div>  
<div class="pad">
```

```

<label for="email">Email ID : </label>
<input id="email" name="Email-id" type="email" placeholder=" @gmail.com"
required>
</div>
<div class="pad">
<label for="address">Permanent address : </label><br>
<textarea id="address" name="Permanent Address" rows="5" cols="50"
placeholder="Enter Permanent address"></textarea>
</div><div class="pad">
<label for="Hobbies">Hobbies: </label><br>
<textarea id="Hobbies" name="Hobbies" rows="5" cols="50" placeholder="Enter
Permanent address"></textarea>
</div>
<div class="pad">
<label for="Photo">Photo( Max:100mb jpeg/Png/jpg) : </label>
<input id="photo" name="Candidate's photo" type="file"
placeholder="max:100mb" required>
</div> <div class="pad">
<button type="reset" style="background-color:blue;color:white;">Reset</button>
<button type="submit" style="background-color:blue;color:white;">Submit</button>
</div></fieldset>
</form></center>
</body>
</html>

```

RESULT:

The webpage was created successfully

Feedback form_202503099

File | E:/ADP/sanjeev/12-5-23-20230707T051135Z-001/12-5-23/q-2.html

Feedback Form

Feedback

Name :

Email :

Select year :

First year
 Second year
 Third year
 Fourth year
 PHD

Enter Today's Date :

Enter Feedback :

Enter Feedback

Rating(out of 5) :

1 2 3 4 5



4.3 FEEDBACK FORM

AIM:

To create simple webpage for getting feedback

ALGORITHM:

- <label> -Defines a label for an <input> element
- <input> -Defines an input control
- <form> -Defines an HTML form for user input
- <select> -Defines a drop-down list
- <option> -Defines an option in a drop-down list

SOURCE CODE:

```
<!DOCTYPE html>
<html>
  <head>
    <title>Feedback form_2022503039</title>
    <style>
      .pad{
        padding:5px;
        text-align:left
      }
      .form_css{
        background-color: rgba(91, 140, 233,0.4);
        border-style: solid;
        border-width:10px;
        width:400px;
      }
      :required{
        border-style: solid;
      }
    </style>
  </head>
  <body>
    <form>
      <label>Name:</label>
      <input type="text" class="pad" />
      <label>Email:</label>
      <input type="text" class="pad" />
      <label>Feedback:</label>
      <input type="text" class="pad" />
      <br>
      <input type="submit" value="Submit" />
    </form>
  </body>
</html>
```

```

        border-width: 2px;
    }
</style>
</head>
<body>
<H1 style="text-align:center">Feedback Form</H1>
<div align="center">
<form action="result.html" method="get" class="form_css">
<fieldset>
<legend>Feedback</legend>
<div class="pad">
<label for="Name">Name : </label>
<input name="User Name" id="Name" placeholder="UserName" type="text"
required>
</div>
<div class="pad">
<label for="email">Email : </label>
<input name="Email" id="email" type="email" placeholder="@gmail.com"
required>
</div>
<div class="pad">
<label>Select year : </label><br>
<input type="radio" value="first year" name="Year" id="1">
<label for="1">First year</label><br>
<input type="radio" value="Second year" name="Year" id="1">
<label for="1">Second year</label><br>
<input type="radio" value="Third year" name="Year" id="1">
<label for="1">Third year</label><br>
<input type="radio" value="Fourth year" name="Year" id="1">
<label for="1">Fourth year</label><br>

```

```

<input type="radio" value="PHD" name="Year" id="1">
<label for="1">PHD</label>
</div>
<div class="pad">
    <label for="date">Enter Today's Date : </label>
    <input type="date" id="date" name="Date" >
</div>
<div class="pad">
    <label for="Feedback" align="top">Enter Feedback : </label><br>
    <textarea rows="6" columns="150" maxlength="1500" placeholder="Enter Feedback" required></textarea>
</div>
<div class="pad">
    <label for="rating">Rating(out of 5) : </label>
    <br>
    <input type="radio" name="Rating" value="1">
    <label>1 </label>
    <input type="radio" name="Rating" value="2">
    <label>2 </label>
    <input type="radio" name="Rating" value="3">
    <label>3 </label>
    <input type="radio" name="Rating" value="4">
    <label>4 </label>
    <input type="radio" name="Rating" value="5">
    <label>5 </label>
</div> <div class="pad">
    <button type="reset" style="background-color:blue;color:white;">Reset</button>
    <button type="submit" style="background-color:blue;color:white;">Submit</button>
</div></fieldset></form></div>

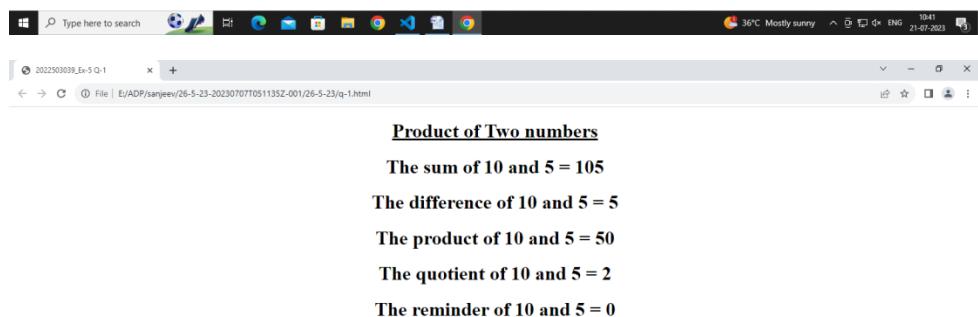
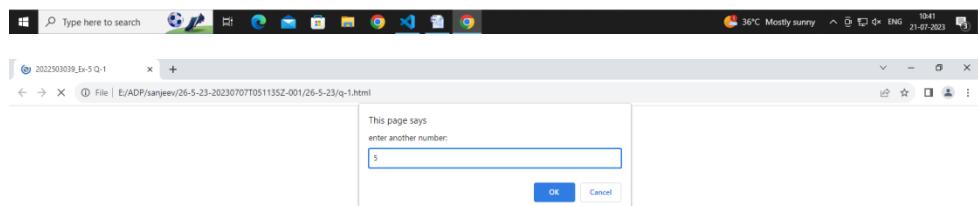
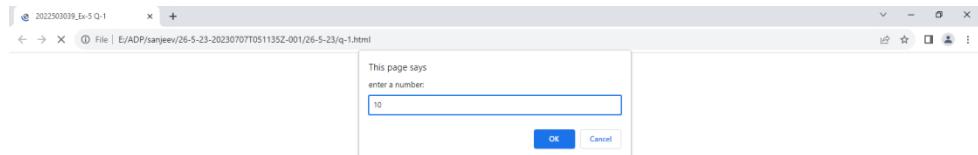
```

</body>

</html>

RESULT:

The webpage was created successfully



5.1 ARITHMETIC OPERATORS

AIM:

To create a HTML code to calculate a 2 numbers sum, subtraction, multiplication, division.

ALGORITHM:

- <h1>-<h6> - To write heading
- JavaScript :
- window.prompt - displays a dialog box that prompts the user for input.
- document.writeIn - writes directly to an open (HTML) document stream.

SOURCE CODE:

```
<!DOCTYPE html>

<html>

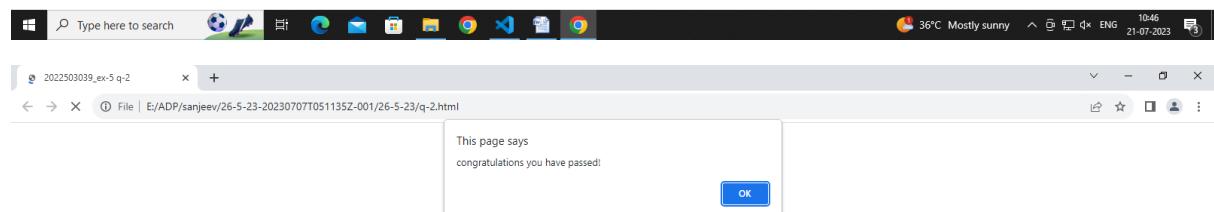
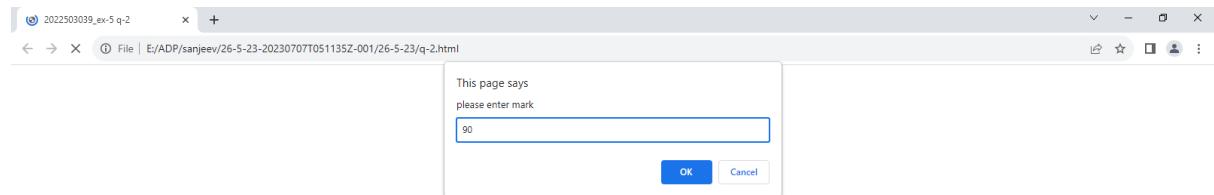
<head>
    <title>2022503039_Ex-5 Q-1</title>
</head>

<body>
    <h1 align="center" style="text-decoration: underline;">Product of Two numbers</h1>
    <script>
        var a,b,sum,difference,product,reminder,quotient;
        a=window.prompt("enter a number:");
        b=window.prompt("enter another number:");
        sum=a+b;
        difference=a-b;
        product=a*b;
        quotient=parseInt(a/b);
        reminder=a%b;
        document.write("<h1 align='center'>The sum of "+a+" and "+b+" = "+sum+"</h1>");
    </script>
</body>
```

```
document.write("<h1 align='center'>The difference of "+a+" and "+b+" =  
"+difference+"</h1>");  
  
document.write("<h1 align='center'>The product of "+a+" and "+b+" =  
"+product+"</h1>");  
  
document.write("<h1 align='center'>The quotient of "+a+" and "+b+" =  
"+quotient+"</h1>");  
  
document.write("<h1 align='center'>The remainder of "+a+" and "+b+" =  
"+reminder+"</h1>");  
  
</script>  
  
</body>  
  
</html>
```

RESULT:

The webpage was successfully designed.



5.2 PASS OR FAIL

AIM:

To create a HTML Code to get mark as input and display pass or fail

ALGORITHM:

- <h1>-<h6> - To write heading
JavaScript :
- window.prompt - displays a dialog box that prompts the user for input.
- document.write - writes directly to an open (HTML) document stream.

SOURCE CODE:

```
<!DOCTYPE html>

<html>

<head>
    <title>2022503039_ex-5 q-2</title>
</head>

<body>
    <h1 align="center" style="text-decoration:underline">Pass Status</h1>
    <script>
        var a;
        var i=0;
        for(i=0;i<6;i++){
            a=window.prompt("please enter mark");
            if(a>=50){
                window.alert("congratulations you have passed!");
                document.writeln("<h2 align='center'>Mark : "+a+"</h2> ");
                document.writeln("<h2 align='center'>Status : Pass</h2>");
            }
        }
    </script>
</body>

```

```
else{
    window.alert("You have failed!");
    document.writeln("<h2 align='center'>Mark : "+a+"</h2> ");
    document.writeln("<h2 align='center'>Status : Fail</h2> ");
}
</script>
</body>
</html>
```

RESULT:

The webpage was successfully designed



GPA and CGPA calculator

Name of Candidate : Yugash

Register number of Candidate : 2022503039

Grade point in the subject Engineering Maths is A+

Grade point in the subject Engineering Physics is A+

Grade point in the subject Programming with C is A+

Grade point in the subject Computational Thinking is O

Grade point in the subject English is A+

Grade point in the subject Heritage of Tamils is A+

Grade point Aggregate : 9.12



5.3 GRADE POINTS

AIM:

To create a HTML Code to get mark as input and display grade points

ALGORITHM:

- <h1>-<h6> - To write heading
JavaScript :
- window.prompt - displays a dialog box that prompts the user for input.
- document.write - writes directly to an open (HTML) document stream.

SOURCE CODE:

```
<!DOCTYPE html>

<html>

<head>
    <title>2022503039_q-3 ex-3</title>
</head>

<body>
    <h2>GPA and CGPA calculator</h2>
    <script>
        function gradeconvert(c){
            var gp;
            if(c==10){
                gp="O";
            }
            else if(c=="9"){
                gp="A+";
            }
            else if(c=="8"){

```

```

        gp="A";
    }
    else if(c=="7"){
        gp="B";
    }
    else if(c=="6"){
        gp="C";
    }
    else{
        gp="U";
    }
    return gp;
}

</script>
<script>

var name,reg;
name>window.prompt("Enter your name:");
reg>window.prompt("Enter Register number:");
var mark=[];
var sub=["Engineering Maths","Engineering Physics","Programming with C","Computational Thinking","English","Heritage of Tamils"];
var grade=[];
var cred=[];
var c=0;
var graden=[];
while(c<6){
    var temp,temp2;
    temp2=parseInt(window.prompt("enter marks of "+sub[c]));
    mark[c]=temp2;
}

```

```

cred[c]=parseInt(window.prompt("enter credit of "+sub[c]));

temp=mark[c]/10+1;

if(temp==11){

    temp=10;

}

temp=parseInt(temp);

graden[c]=temp;

grade[c]=gradeconvert(temp);

c++;

}

document.write("<h2>Name of Candidate : "+name+"</h2>");

document.write("<h2>Register number of Candidate : "+reg+"</h2>");

var gpa=0,tot=0,cre=0;

for(c=0;c<6;c++){

    tot+=graden[c]*cred[c];

    cre+=cred[c];

    document.write("<h2>Grade point in the subject "+sub[c]+" is "+grade[c]+"</h2>");

}

tot=parseInt(tot);

tot=parseInt(tot);

gpa=tot/cre;

document.write("<h2>Grade point Aggregate : "+gpa+"</h2>");

</script>

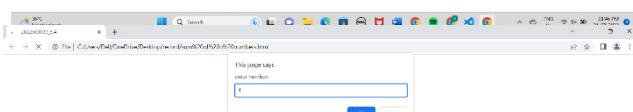
</body>

</html>

```

RESULT:

The webpage was successfully designed



5.4 SUM OF SERIES

AIM:

To create a HTML Code to find sum of n series

ALGORITHM:

- <h1>-<h6> - To write heading
JavaScript :
- window.prompt - displays a dialog box that prompts the user for input.
- document.write - writes directly to an open (HTML) document stream.

SOURCE CODE:

```
<!DOCTYPE html>

<html>

<head>
    <title>2022503039_5.4</title>
</head>

<body>
    <h1>Sum of N numbers</h1>
    <script>
        var n;
        var array=[];
        let sum=0;
        n=parseInt(window.prompt("enter value of n:"));
        for(let i=0;i<n;i++){
            var temp;
            array[i]=parseInt(window.prompt("enter number:"));
            //document.write(typeof(temp));
            sum+=array[i];
        }
    </script>
</body>
</html>
```

```
}

document.write("<h2>Sum : "+sum+"</h2>");

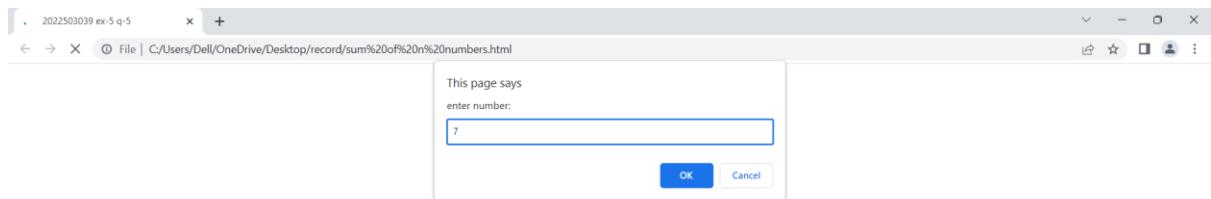
</script>

</body>

</html>
```

RESULT:

The webpage was successfully designed



5.5 PRE/POST INCREMENT DECREMENT

AIM:

To create a HTML Code to get mark as input and display grade points

ALGORITHM:

- <h1>-<h6> - To write heading
- JavaScript :
- window.prompt - displays a dialog box that prompts the user for input.
- document.write - writes directly to an open (HTML) document stream.

SOURCE CODE:

```
<!DOCTYPE html>

<html>
  <head>
    <title>2022503057 ex-5 q-5</title>
  </head>
  <body>
    <h1> Working of Increment and Decrement operators</h1>
    <script>
      var c=0,a=b=e=d=0;
      c=window.prompt("enter number:");
      a=++c;
      document.write("Pre increment :" + a + "<br>");
      document.write("Pre increment(to c) :" + c + "<br>");
      b=c++;
      document.write("Post increment :" + b + "<br>");
      document.write("Pre Decrement :" + d + "<br>");
      d=--c;
      document.write("Pre Decrement :(to c)" + c + "<br>");
```

```
document.write("Post increment(to c) :" + c + "<br>");  
e = c--;  
document.write("Post decrement :" + e + "<br>");  
document.write("Post decrement :(to c)" + c + "<br>");  
</script>  
</body>  
</html>
```

RESULT:

The webpage was successfully designed



GPA and CGPA calculator

Name of Candidate : Yugash

Register number of Candidate : 2022503039

Grade point in the subject Engineering Maths is A+

Grade point in the subject Engineering Physics is A+

Grade point in the subject Programming with C is O

Grade point in the subject Computational Thinking is O

Grade point in the subject English is A+

Grade point in the subject Heritage of Tamils is A+

Grade point Aggregate : 9.36



6.1 GPA CALCULATOR

AIM:

Create a web page to calculate GPA by getting mark as input

ALGORITHM:

- <h1>-<h6> - To write heading
- <label> -Defines a label for an <input> element
- <input> -Defines an input control
- <button> -Defines button

SOURCE CODE:

```
<!DOCTYPE html>

<html>

<head>
    <title>2022503039_q-3 ex-3</title>
</head>

<body>
    <h2>GPA and CGPA calculator</h2>
    <script>
        function gradeconvert(c){
            var gp;
            if(c==10){
                gp="O";
            }
            else if(c=="9"){
                gp="A+";
            }
            else if(c=="8"){
                gp="A";
            }
        }
    </script>
</body>
</html>
```

```

        }

    else if(c=="7"){

        gp="B";

    }

    else if(c=="6"){

        gp="C";

    }

    else{

        gp="U";

    }

    return gp;

}

</script>

<script>

var name,reg;

name=window.prompt("Enter your name:");

reg=window.prompt("Enter Register number:");

var mark=[];

var sub=["Engineering Maths","Engineering Physics","Programming with
C","Computational Thinking","English","Heritage of Tamils"];

var grade=[];

var cred=[];

var c=0;

var graden[];

while(c<6){

    var temp,temp2;

    temp2=parseInt(window.prompt("enter marks of "+sub[c]));

    mark[c]=temp2;

    cred[c]=parseInt(window.prompt("enter credit of "+sub[c]));

}

```

```

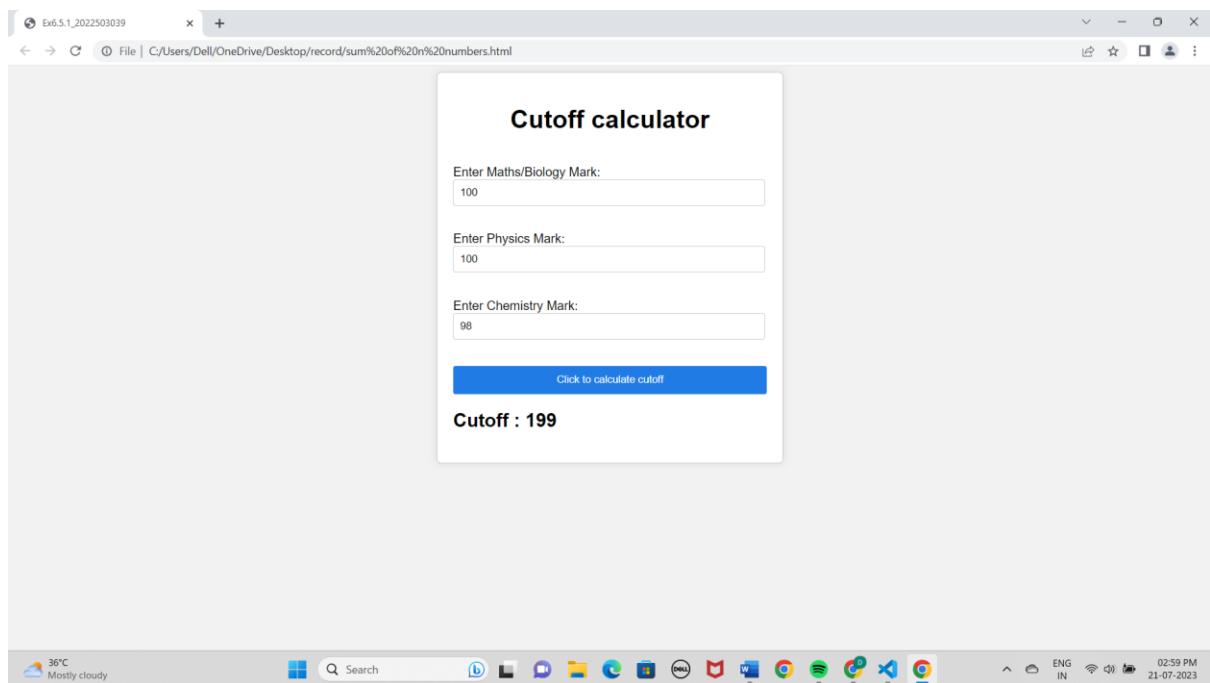
temp=mark[c]/10+1;
if(temp==11){
    temp=10;
}
temp=parseInt(temp);
graden[c]=temp;
grade[c]=gradeconvert(temp);
c++;
}

document.write("<h2>Name of Candidate : "+name+"</h2>");
document.write("<h2>Register number of Candidate : "+reg+"</h2>");
var gpa=0,tot=0,cre=0;
for(c=0;c<6;c++){
    tot+=graden[c]*cred[c];
    cre+=cred[c];
    document.write("<h2>Grade point in the subject "+sub[c]+" is
"+grade[c]+"</h2>");
}
tot=parseInt(tot);
tot=parseInt(tot);
gpa=tot/cre;
document.write("<h2>Grade point Aggregate : "+gpa+"</h2>");
</script>
</body>
</html>

```

RESULT:

The webpage was successfully designed



6.2 12TH CUTOFF CALCULATOR

AIM:

Create a web page to calculate GPA by getting mark as input

ALGORITHM:

- <h1>-<h6> - To write heading
- <label> -Defines a label for an <input> element
- <input> -Defines an input control
- <button> -Defines button

SOURCE CODE:

```
<!DOCTYPE html>

<html>

<head>

<title>Ex6.5.1_2022503039</title>

<style>

body {

    font-family: Arial, sans-serif;

    background-color: #f2f2f2;

}

.calculator {

    max-width: 400px;

    margin: 0 auto;

    padding: 20px;

    background-color: #ffffff;

    border: 1px solid #ccc;

    border-radius: 5px;

    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);

}
```

```
h1 {  
    text-align: center;  
}  
  
input {  
    width: 95%;  
    padding: 8px;  
    padding-right: 8px;  
    margin-bottom: 15px;  
    border: 1px solid #ccc;  
    border-radius: 3px;  
}  
  
button {  
    width: 100%;  
    padding: 10px;  
    background-color: #207ce4;  
    color: white;  
    border: none;  
    border-radius: 3px;  
    cursor: pointer;  
}  
  
button:hover {  
    background-color: #207ce4;  
}  
  
#display {  
    margin-top: 15px;  
    text-align: center;  
}  
  
</style>
```

```

</head>

<body>

<script>

    function cutoff(){

        var num1=Number(document.getElementById('m').value);

        var num2=Number(document.getElementById('p').value);

        var num3=Number(document.getElementById('c').value);

        var cutoff=num1+(num2+num3)/2;

        document.getElementById('display').innerHTML=cutoff;

    }

</script>

<div class="calculator">

<h1>Cutoff calculator</h1> <br>

Enter Maths/Biology Mark: <br><input type="number" id="m" max="100"> <br> <br>

Enter Physics Mark: <br><input type="number" id="p" max="100"> <br> <br>

Enter Chemistry Mark: <br><input type="number" id="c" max="100"> <br> <br>

<button onclick="cutoff()">Click to calculate cutoff</button> <br>

<h2>Cutoff : <span id='display'></span></h2>

</div>

</body>

</html>

```

RESULT:

The webpage was successfully designed

Ex-6.2 2022503039

File | C:/Users/Dell/OneDrive/Desktop/record/sum%20of%20n%20numbers.html

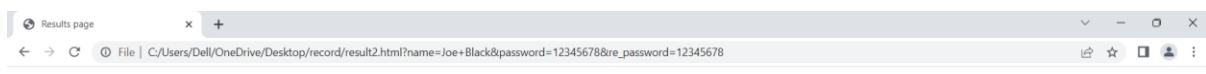
Form

User Name :
Joe Black

Password :
.....

Re-type Password :
.....

SUBMIT



6.3PASSWORD VALIDATION

AIM:

Create a webpage to check entered password and re entered password are same

ALGORITHM:

- <h1>-<h6> - To write heading
- <label> -Defines a label for an <input> element
- <input> -Defines an input control
- <button> -Defines button

SOURCE CODE:

```
<!DOCTYPE html>

<html>

    <head>

        <title>Ex-6.2 2022503039</title>

        <style>

            .button{

                background-color:white;
                color:black;
            }

            .button:hover{

                background-color:red;
                color:yellow;
            }

            .form{

                padding:15px;
                text-align:center;
            }

        </style>
        <style>
```

```
body {  
    font-family: Arial, sans-serif;  
    background-color: #f2f2f2;  
}  
  
.container {  
    max-width: 400px;  
    margin: 0 auto;  
    padding: 20px;  
    background-color: #ffffff;  
    border: 1px solid #ccc;  
    border-radius: 5px;  
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);  
}  
  
h1 {  
    text-align: center;  
}  
  
input {  
    width: 95%;  
    padding: 8px;  
    padding-right: 8px;  
    margin-bottom: 15px;  
    border: 1px solid #ccc;  
    border-radius: 3px;  
}  
  
button {  
    width: 100%;  
    padding: 10px;  
    background-color: #207ce4;  
    color: white;
```

```
border: none;  
border-radius: 3px;  
cursor: pointer;  
}  
  
button:hover {  
background-color: #207ce4;  
}  
  
#display {  
margin-top: 15px;  
text-align: center;  
}  
</style>  
<script>  
function validate(){  
var name=document.form.name.value;  
var password=document.form.password.value;  
var re_password=document.form.re_password.value;  
if(name=="" || name==null){  
alert('please enter username!');  
return false;  
}  
else if(password==null || password==""){  
alert('please enter password');  
return false;  
}  
else if(password.length<6){  
alert('password should be atleast 6 characters long');  
return false;  
}
```

```

else if(re_password==null || re_password==""){

    alert('please re-type password');

    return false;

}

else if(password!=re_password){

    alert('Re-typed password must match the original password');

    return false;

}

return true;

}

</script>

</head>

<body>

<div class="container">

<h1 align="center"><ins>Form</ins></h1>

<form name="form" method="get" action="result2.html">

<div class="form" >

<label for="name">User Name : </label>

<input type="text" placeholder="Username" id="name" name="name">

</div>

<div class="form">

<label for="password">Password : </label>

<input type="password" id="password" name="password">

</div>

<div class="form">

<label for="re-password">Re-type Password : </label>

<input type="password" id="re-password" name="re_password">

</div>

```

```
<center><button onclick="return validate()" action="result2.html" class="button form">SUBMIT</button></center>

</form>
</div>

</body>

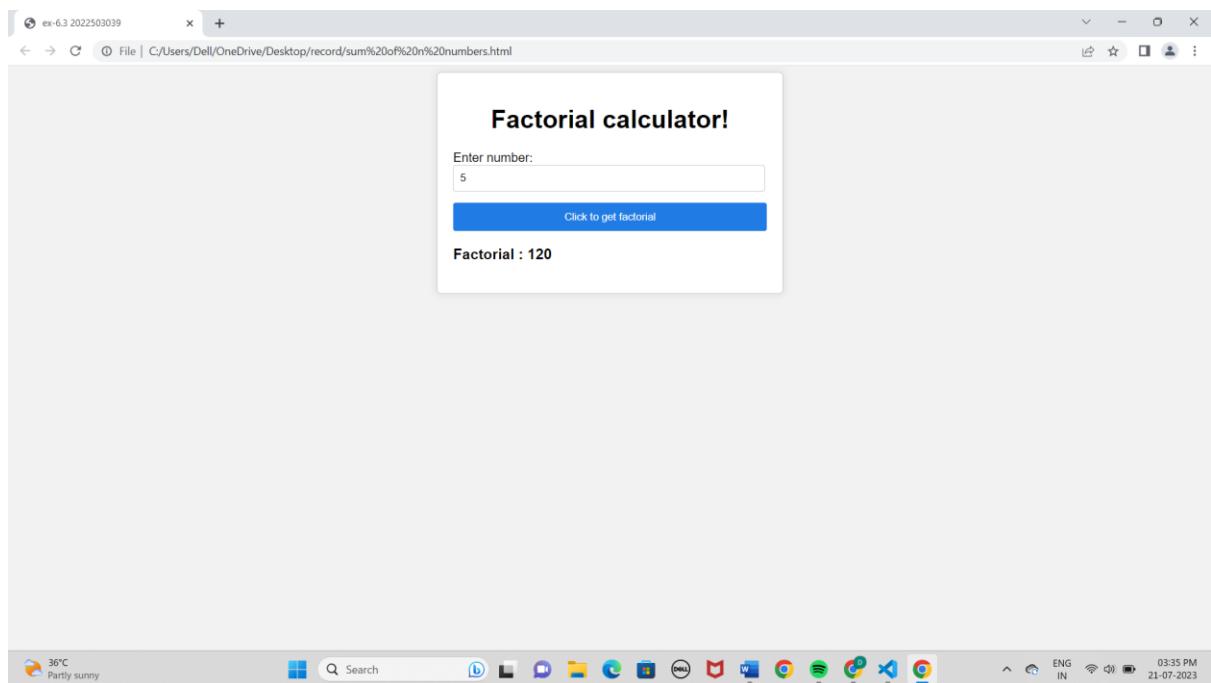
</html>

‘result2.html’ code:

<!DOCTYPE html>
<head>
<title>
    Results page
</title>
<body>
    <h1 align="center">Login successful</h1>
    <script>
        var name=q-2.html.form.name.value;
        var password=document.form.password.value;
        document.write(name);
        document.write(password);
    </script>
</body>
</head>
```

RESULT:

The webpage was successfully designed



~ 104 ~

6.4 FACTORIAL

AIM:

Create a webpage to factorial of the number

ALGORITHM:

- <h1>-<h6> - To write heading
- <label> -Defines a label for an <input> element
- <input> -Defines an input control
- <button> -Defines button

SOURCE CODE:

```
<!DOCTYPE html>

<html>

<head>

<title> ex-6.3 2022503039</title>

<style>

body {

    font-family: Arial, sans-serif;

    background-color: #f2f2f2;

}

.container {

    max-width: 400px;

    margin: 0 auto;

    padding: 20px;

    background-color: #ffffff;

    border: 1px solid #ccc;

    border-radius: 5px;

    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);

}
```

```
h1 {  
    text-align: center;  
}  
  
input {  
    width: 95%;  
    padding: 8px;  
    padding-right: 8px;  
    margin-bottom: 15px;  
    border: 1px solid #ccc;  
    border-radius: 3px;  
}  
  
button {  
    width: 100%;  
    padding: 10px;  
    background-color: #207ce4;  
    color: white;  
    border: none;  
    border-radius: 3px;  
    cursor: pointer;  
}  
  
button:hover {  
    background-color: #207ce4;  
}  
  
#display {  
    margin-top: 15px;  
    text-align: center;  
}  
  
</style>
```

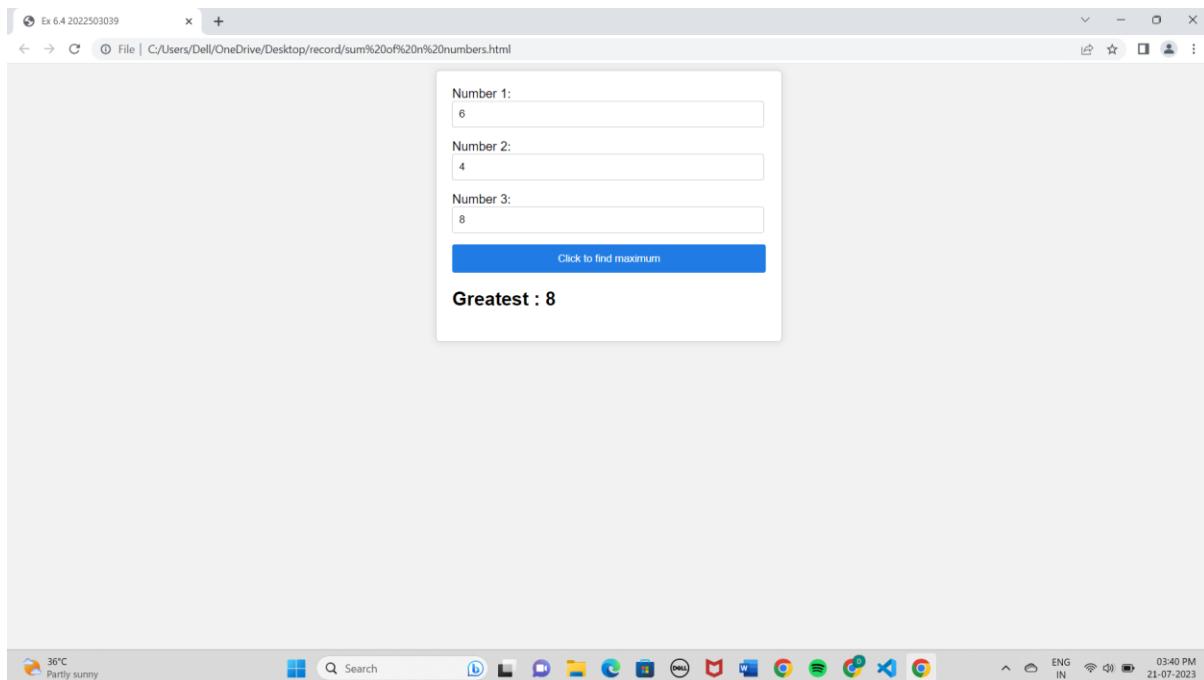
```
</head>
<body>
<script>

function caller() {
    var num = Number(document.getElementById("number").value);
    var i = 1, fact = 1;
    for (i=1; i<num+1; i++) {
        fact = fact * i;
    }
    document.getElementById('display').innerHTML=fact;
    return false;
}

</script>
<div class="container">
<h1>Factorial calculator!</h1>
Enter number:<input id="number" type="number">
<button onclick="return caller()">Click to get factorial</button>
<h3>Factorial : <span id='display'></span></h3>
</div>
</body>
</html>
```

RESULT:

The webpage was successfully designed



~ 108 ~

6.5 GREATEST OF 3 NUMS

AIM:

write a html code to find a greatest of 3 numbers

ALGORITHM:

- <h1>-<h6> - To write heading
- <label> -Defines a label for an <input> element
- <input> -Defines an input control
- <button> -Defines button

SOURCE CODE:

```
<!DOCTYPE html>

<html>

    <head>

        <title>Ex 6.4 2022503039</title>

        <style>

            body {

                font-family: Arial, sans-serif;

                background-color: #f2f2f2;

            }

            .container {

                max-width: 400px;

                margin: 0 auto;

                padding: 20px;

                background-color: #ffffff;

                border: 1px solid #ccc;

                border-radius: 5px;

                box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);

            }

            h1 {
```

```
    text-align: center;  
}  
  
input {  
    width: 95%;  
    padding: 8px;  
    padding-right: 8px;  
    margin-bottom: 15px;  
    border: 1px solid #ccc;  
    border-radius: 3px;  
}  
  
button {  
    width: 100%;  
    padding: 10px;  
    background-color: #207ce4;  
    color: white;  
    border: none;  
    border-radius: 3px;  
    cursor: pointer;  
}  
  
button:hover {  
    background-color: #207ce4;  
}  
  
#display {  
    margin-top: 15px;  
    text-align: center;  
}  
  
</style>  
</head>  
<body>
```

```

<script>

    function max(a,b){

        if(a>b){

            return a;

        }

        else{

            return b;

        }

    }

    function caller(){

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

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

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

        var temp=max(max(num1,num2),num3);

        document.getElementById('display').innerHTML=temp;

    }

</script>

<div class="container">

    Number 1:<input id="num1" type="number">

    Number 2:<input id="num2" type="number">

    Number 3:<input id="num3" type="number">

    <button onclick="caller()">Click to find maximum</button>

    <h2>Greatest : <span id='display'></span></h2>

</div>

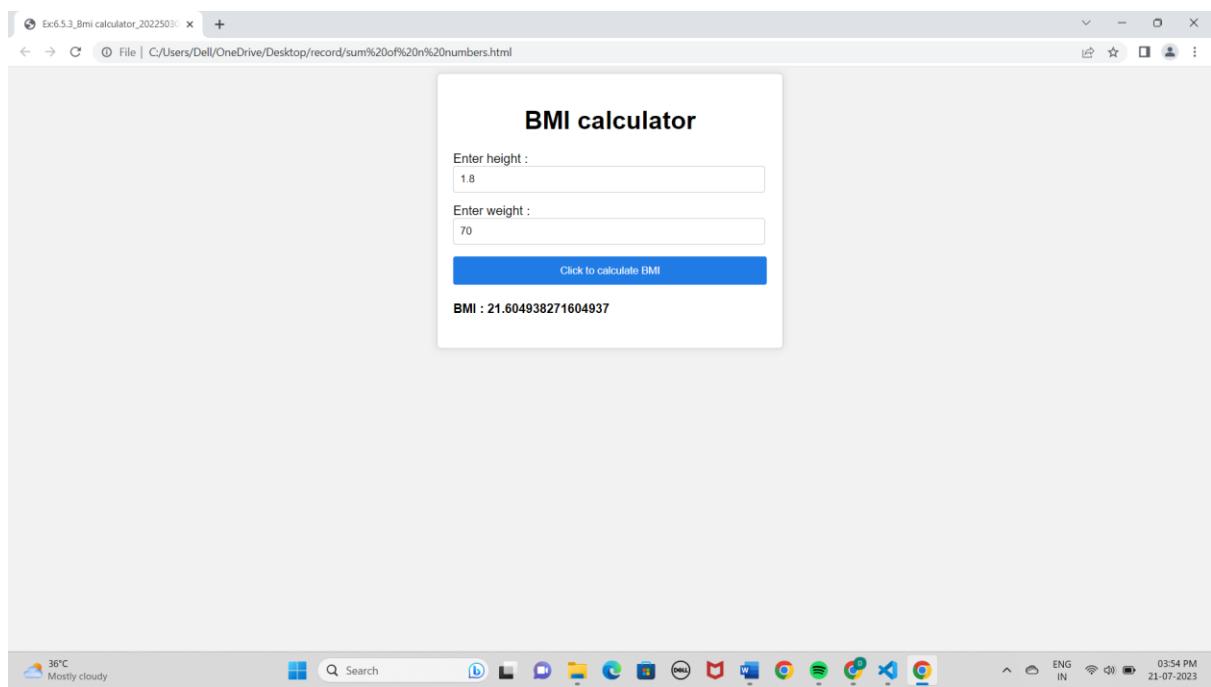
</body>

</html>

```

RESULT:

The webpage was successfully designed



~ 112 ~

6.6 BMI

AIM:

Write a html code to find BODY MASS INDEX

ALGORITHM:

- <h1>-<h6> - To write heading
- <label> -Defines a label for an <input> element
- <input> -Defines an input control
- <button> -Defines button

SOURCE CODE:

```
<!DOCTYPE html>

<html>

    <head>

        <title>Ex:6.5.3_Bmi calculator_2022503039</title>

        <style>

            body {

                font-family: Arial, sans-serif;

                background-color: #f2f2f2;

            }

            .container {

                max-width: 400px;

                margin: 0 auto;

                padding: 20px;

                background-color: #ffffff;

                border: 1px solid #ccc;

                border-radius: 5px;

                box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);

            }

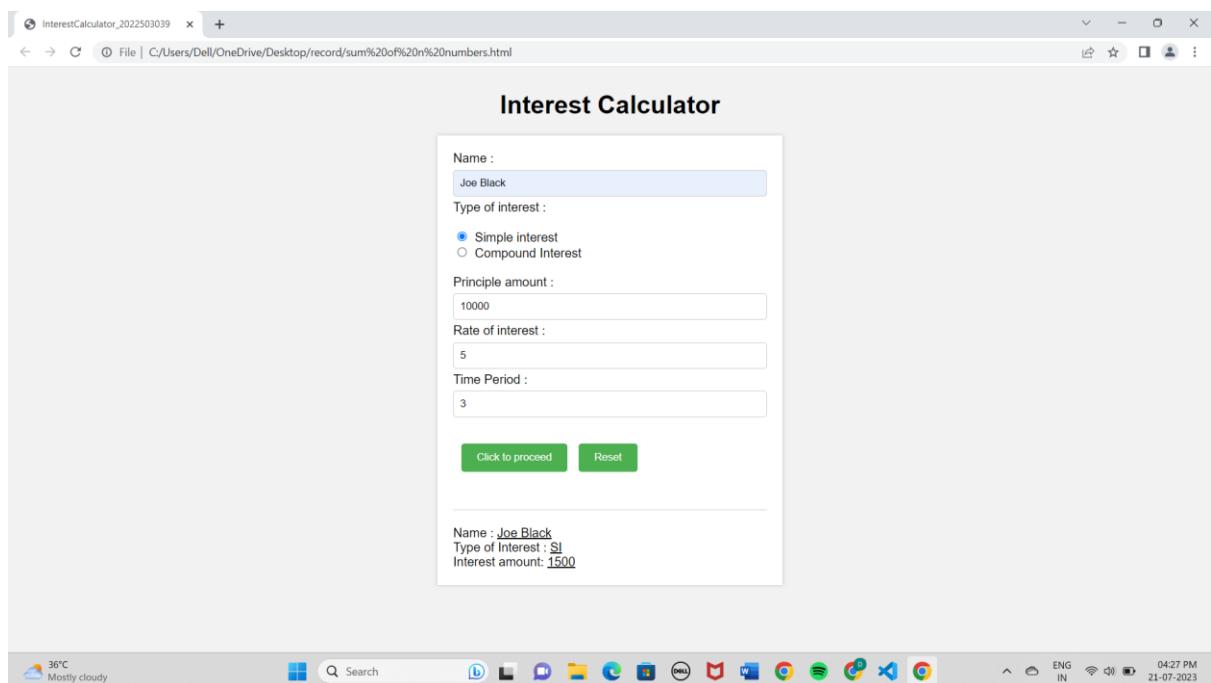
            h1 {
```

```
    text-align: center;  
}  
  
input {  
    width: 95%;  
    padding: 8px;  
    padding-right: 8px;  
    margin-bottom: 15px;  
    border: 1px solid #ccc;  
    border-radius: 3px;  
}  
  
button {  
    width: 100%;  
    padding: 10px;  
    background-color: #207ce4;  
    color: white;  
    border: none;  
    border-radius: 3px;  
    cursor: pointer;  
}  
  
button:hover {  
    background-color: #207ce4;  
}  
  
#display {  
    margin-top: 15px;  
    text-align: center;  
}  
  
</style>  
</head>  
<body>
```

```
<script>
    function bmi(){
        var height=Number(document.getElementById('height').value);
        var weight=Number(document.getElementById('weight').value);
        var bmi=weight/(height*height);
        document.getElementById('bmi').innerHTML=bmi;
    }
</script>
<div class="container">
    <h1>BMI calculator</h1>
    Enter height : <input type="number" id="height" placeholder="in 'Metres'">
    Enter weight : <input type="number" id="weight" placeholder="in 'kg' ">
    <button onclick="bmi()">Click to calculate BMI</button>
    <h4>BMI : <span id='bmi'></span></h4>
</div>
</body>
</html>
```

RESULT:

The webpage was successfully designed



6.7 SIMPLE INTREST

AIM:

write a html code to find simple intrest

ALGORITHM:

- <h1>-<h6> - To write heading
- <label> -Defines a label for an <input> element
- <input> -Defines an input control
- <button> -Defines button

SOURCE CODE:

```
<!doctype html>
<html>
  <head>
    <title>InterestCalculator_2022503039</title>
    <link href="style_1-6.css" rel="stylesheet">
    <style>
      body {
        font-family: Arial, sans-serif;
        background-color: #f2f2f2;
      }
      h1 {
        text-align: center;
        margin-top: 30px;
      }
      .display {
        max-width: 400px;
        margin: 0 auto;
        padding: 20px;
        background-color: #fff;
```

```
    box-shadow: 0 0 5px rgba(0, 0, 0, 0.2);  
}  
  
input[type="text"],  
input[type="number"] {  
    width: 100%;  
    padding: 8px;  
    margin: 5px 0;  
    box-sizing: border-box;  
    border: 1px solid #ccc;  
    border-radius: 4px;  
}  
  
input[type="radio"] {  
    margin-right: 5px;  
}  
  
button {  
    padding: 10px 20px;  
    background-color: #4CAF50;  
    color: #fff;  
    border: none;  
    cursor: pointer;  
    border-radius: 4px;  
    margin-right: 10px;  
}  
  
#output {  
    margin-top: 20px;  
    border-top: 1px solid #ccc;  
    padding-top: 20px;  
    display: none;  
}
```

```

#output p1 {
    margin: 5px 0;
}

#output ins {
    text-decoration: underline;
}

</style>

</head>

<body>

<script>

function caller(){

    var name=document.getElementById('name').value;

    var stream=document.getElementsByName('Stream');

    var mark1=Number(document.getElementById('mark1').value);

    var mark2=Number(document.getElementById('mark2').value);

    var mark3=Number(document.getElementById('mark3').value);

    if(name==null || name==""){

        window.alert('Please enter name');

        return false;

    }

    var i,c,intrest;

    for(i=0;i<stream.length;i++){

        if(stream[i].checked){

            c=stream[i].value;

        }

        if(c==null || c==""){

            window.alert('please choose Stream');

            return false;

        }

    }

}

```

```

else if(mark1==null){
    window.alert('please enter maths/Biology marks');
    return false;
}

else if(mark2==null){
    window.alert('please enter Physics marks');
    return false;
}

else if(mark3==null){
    window.alert('please enter Chemistry marks');
    return false;
}

if(c=='SI'){
    intrest=(mark1*mark2*mark3/100);
    intrest=intrest.toFixed(0);
}

else{
    intrest=(mark1*Math.pow((1+mark2/100),mark3))-mark1;
}

document.getElementById('output').style.display="block";
document.getElementById('name2').innerHTML=name;
document.getElementById('stream2').innerHTML=c;
document.getElementById('write').innerHTML=intrest;
return true;
}

</script>

<h1>Interest Calculator</h1>

<div class="display">

Name : <input type="text" id="name" name="name"> <br>

```

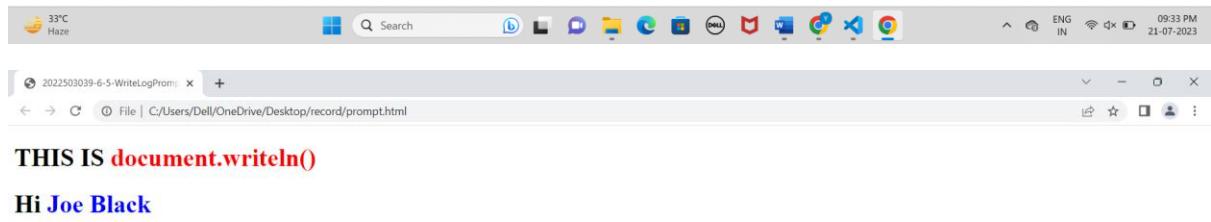
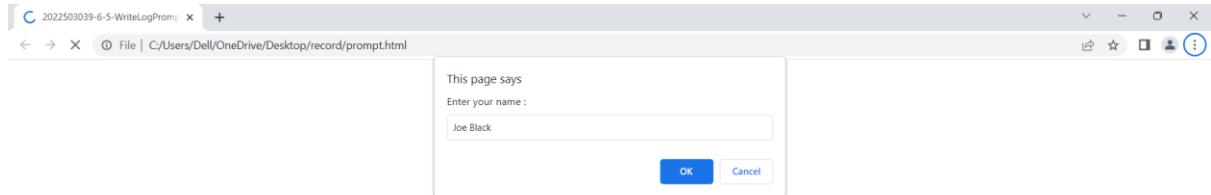
```

Type of interest : <br> <br>
<input type="radio" name="Stream" value="SI" id="Stream">
<label >Simple interest </label> <br>
<input type="radio" name="Stream" value="CI" id="Stream">
<label for="CI">Compound Interest</label> <br> <br>
Principle amount :<input type="number" min="0" id="mark1" name="mark1"> <br>
Rate of interest :<input type="number" min="0" id="mark2" name="mark2"> <br>
Time Period :<input type="number" min="0" name="mark3" id="mark3"> <br><br>
<div style="padding:10px;">
<button onclick="caller()" class="button">Click to proceed</button>
<button type="reset" class="button">Reset</button>
</div> <br>
<div id="output" style="display:none">
<p1>Name : <ins><span id='name2'></span></ins></p1><br>
<p1>Type of Interest : <ins><span id='stream2'></span></ins></p1> <br>
<p1>Interest amount: <ins><span id='write'></span></ins></p1> <br>
</div>
</div>
</body>
</html>

```

RESULT:

The webpage was successfully designed



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6.8 INPUT AND OUTPUT EXPLORATION

AIM:

write a html code to find simple interest

ALGORITHM:

- <h1>-<h6> - To write heading
- JavaScript :
- window.prompt - displays a dialog box that prompts the user for input.
- document.write - writes directly to an open (HTML) document stream.
- Alert - gives window alert

SOURCE CODE:

```
<!DOCTYPE html>

<html>

<head>

<title>2022503039-6-5-WriteLogPrompt</title>

<script>

    console.log("This content will be displayed in console of the browser");

    document.writeln("<h1>THIS IS <span style = 'color : red'>document.writeln()</span>");

    var name = window.prompt("Enter your name :");

    console.log("Hi "+name+" --console screen output");

    document.writeln("<h1>Hi <span style = 'color : blue'>"+name+"</span>");

</script>

</head>

<body>

</body>

</html>
```

RESULT:

The webpage was successfully designed



6.9 QUIZ AND VALIDATION

AIM:

write a html code to find simple interest

ALGORITHM:

- <h1>-<h6> - To write heading
- <label> -Defines a label for an <input> element
- <input> -Defines an input control
- <button> -Defines button

SOURCE CODE:

```
<!DOCTYPE html>

<html>

    <head>
        <title>Quiz-2022503039</title>
        <link href="style_1-6.css" rel="stylesheet">
    </head>

    <body>
        <script>
            function caller(){
                var name=document.getElementById('name').value;
                var q1=document.getElementsByName('q1');
                var q2=document.getElementsByName('q2');
                var s=0,t=10,a1,a2,i;
                if(name==null || name==""){
                    window.alert('Please enter name');
                    return false;
                }
                for(i=0;i<q1.length;i++){
                    if(q1[i].checked){
```

```

        a1=q1[i].value;
        //document.write(a1);

    }

}

for(i=0;i<q2.length;i++){
    if(q2[i].checked){
        a2=q2[i].value;
    }
}

if(a1==2){
    s+=5;
}

if(a2.toLowerCase()=='tiger'){
    s+=5;
}

document.getElementById('output').style.display="block";
document.getElementById('mark').innerHTML=s;

return true;
}

let a = 2;
console.log("The value of a is " + a);

</script>

<h1>ADP TEST</h1>

<form>

Name : <input type="text" id="name"> <br> <br>

Q1 : 1+1= ?

<br>

<input type="radio" name="q1" value="2">

<label> 2 </label>

```

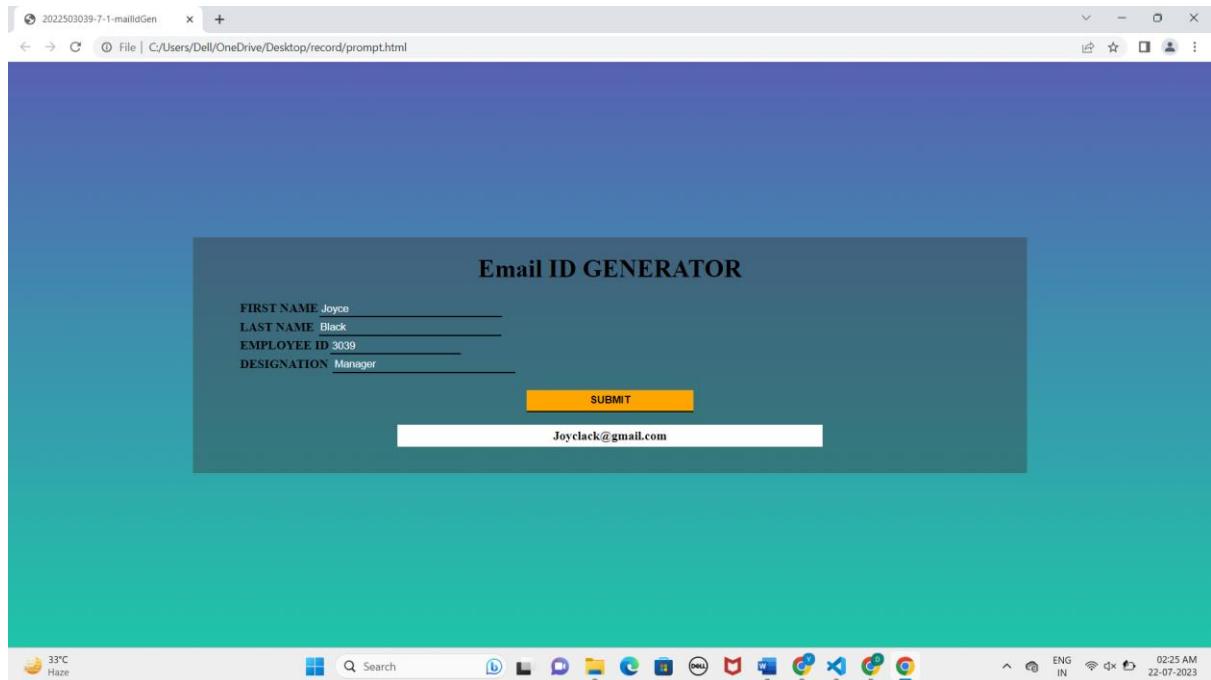
```

<br>
<input type="radio" name="q1" value="6">
<label> Gender Equality </label>
<br>
<input type="radio" name="q1" value="10">
<label> Communism </label>
<br>
<input type="radio" name="q1" value="4">
<label> 4 </label><br><br><br>
Q2 : National animal of India <br>
<input type="radio" name="q2" value="Tiger">
<label> Tiger </label><br>
<input type="radio" name="q2" value="lion">
<label> Modi </label><br>
<input type="radio" name="q2" value="Peacock">
<label> Peacock </label> <br>
<input type="radio" name="q2" value="Cow">
<label> Cow </label> <br><br><br>
<div style="padding:10px;">
    <input type="submit" onclick="return caller()" class="button" value="Click to
proceed">
    <input type="reset" class="button" value="reset">
</div>    </form>
<p1 style="display:none" id="output">Marks scored : <span id="mark"></span></p1>
</body>
</html>

```

RESULT:

The webpage was successfully designed



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7.1 CREATE EMAIL

AIM:

write a html code to create email id from first four letter from first name 1st four letter from last name and remaining

ALGORITHM:

- <h1>-<h6> - To write heading
- <label> -Defines a label for an <input> element
- <input> -Defines an input control
- <button> -Defines button

SOURCE CODE:

```
<html>
  <head>
    <title>2022503039-7-1-mailIdGen</title>
    <link rel="stylesheet" href="mailCss.css">
    <script src = "mailJS.js" type = "text/javascript" ></script>
    <style>
      body{
        display: flex;
        align-items: center;
        justify-content: center;
        background: linear-gradient(#5761B2,#1FC5A8) ;
      }
      .container{
        background-color: rgba(58, 54, 54,0.4);
        height : 300px ;
        width : 70% ;
      }
    </style>
  </head>
  <body>
    <div class="container">
      <h1>Mail ID Generation</h1>
      <form>
        <label>First Name:</label>
        <input type="text" name="fname" />
        <label>Last Name:</label>
        <input type="text" name="lname" />
        <label>Email ID:</label>
        <input type="text" name="email" />
        <label>Password:</label>
        <input type="password" name="password" />
        <label>Confirm Password:</label>
        <input type="password" name="cpassword" />
        <button type="button" value="Submit">Submit</button>
      </form>
    </div>
  </body>
</html>
```

```
h1 {  
    text-align: center;  
}  
  
label {  
    display: block;  
    margin : auto ;  
    margin-left : 60px ;  
    font-weight: bolder;  
}  
  
input[type = "submit"]{  
    display : block ;  
    margin : auto ;  
    padding : 5px ;  
    margin-top : 20px ;  
    width : 20% ;  
    color : black ;  
    background-color: orange;  
    font-weight: bolder;  
    transition: 1s ;  
}  
  
input{  
    background-color: rgba(223, 223, 223,0);  
    border-left: none ;  
    border-top :none ;  
    border-right : none ;
```

```
border-bottom : 2px solid black ;  
color : white ;  
margin : 2px ;  
}  
  
input::placeholder{  
color : white ;  
}  
  
input[type = "submit"]:hover{  
background-color: rgb(255, 81, 0);  
font-weight: bolder;  
}  
  
p{  
margin: auto ;  
width : 50% ;  
font-weight: bolder;  
text-align: center;  
background-color: white ;  
padding : 5px ;  
}  
  
</style>  
  
<script>  
function generate(){  
var fn = document.myForm.fname.value ;  
var ln = document.myForm.lname.value ;  
var eid = ""  
console.log("hi");  
eid = eid.concat(fn.slice(0,4));  
eid = eid.concat(ln.slice(ln.length - 4 ,ln.length))  
console.log(eid);
```

```

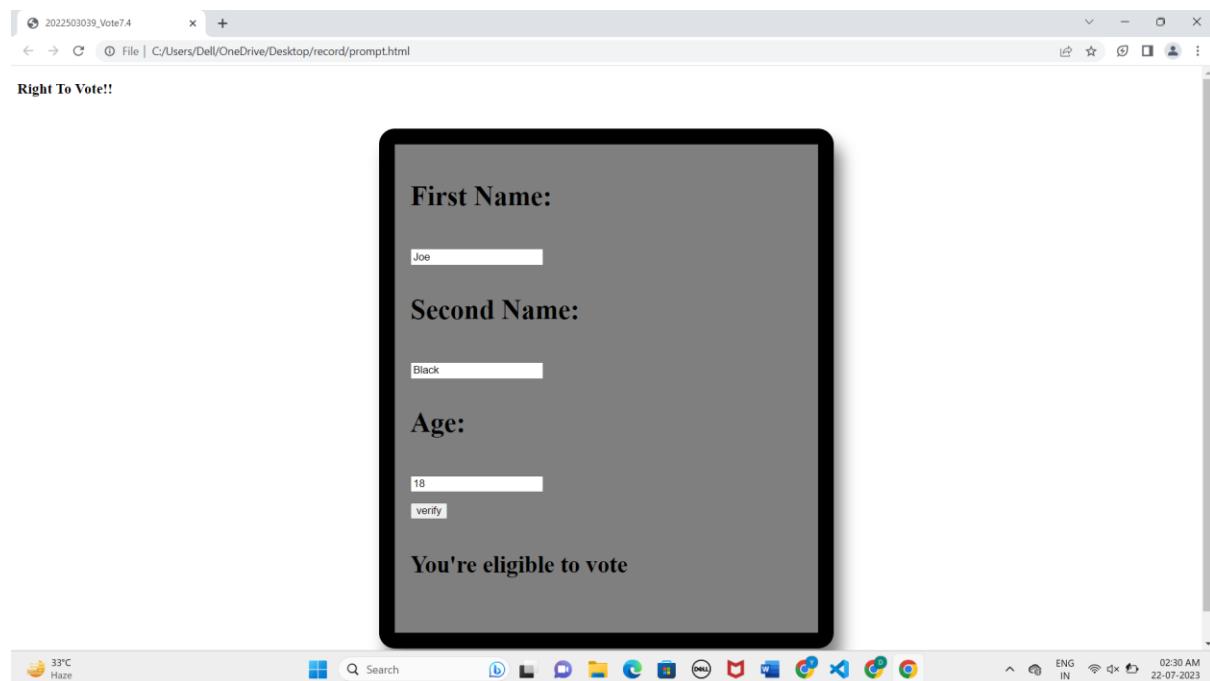
eid = eid.concat("@gmail.com");
console.log(eid);
document.getElementById("email").innerHTML = eid ;
return false ;
}

</script>
</head>
<body>
<div class = "container">
<h1>Email ID GENERATOR</h1>
<form name = "myForm" onsubmit = "return generate()">
<label >FIRST NAME<input type="text" name = "fname" size = "30"
placeholder="Enter first name"> </label>
<label >LAST NAME <input type="text" name = "lname" size = "30"
placeholder="Enter Last name"></label>
<label >EMPLOYEE ID<input type="number" name = "empID" size = "45"
placeholder="Enter employee id "></label>
<label >DESIGNATION <input type="text" name = "desig" size = "30"
placeholder="Enter designation"></label>
<input type="submit" value = "SUBMIT">
</form>
<p id = "email">Your Email id will be generated here </p>
</div>
</body>
</html>

```

RESULT:

The webpage was successfully designed



7.2 ELIGIBLE TO VOTE

AIM:

write a html code to display eligible to vote or not

ALGORITHM:

- <h1>-<h6> - To write heading
- <label> -Defines a label for an <input> element
- <input> -Defines an input control
- <button> -Defines button

SOURCE CODE:

```
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>2022503039_Vote7.4</title>

<link rel="stylesheet" href="form.css">

<style>

.feed

{

border-radius: 20px;

border: 2px solid;

display:block;

width:500px;

margin:250px auto;

box-shadow: 10px 20px 20px gray;

padding:10px 20px 30px;

font-size: 30px;
```

```
background-color:rgba(0,0,0,0.5);  
margin-top: 40px;  
margin-bottom: 40px;
```

```
}
```

```
.feed .textla{  
    display:block;  
    font-size:medium;  
    color:white;  
    line-height: 25px;
```

```
}
```

```
.feed label{  
    font-size:medium;  
    color:white;  
}  
  
.input input{
```

```
border:1px solid;  
box-shadow: 2px;  
border-radius: 8px;  
padding:5px 10px;  
box-sizing:border-box;
```

```
}
```

```
.i input{  
    width:100%;  
    height: 175px;  
    font-size:1.2em;  
    border:1px solid;  
    box-shadow: 2px;
```

```
border-radius: 8px;  
padding: 5px 10px;  
box-sizing: border-box;  
}  
.input input:focus {  
background-color: #83C5BE;  
}  
.btn {  
text-align: center;  
}  
button {  
background-color: #83C5BE;  
font-size: 30px;  
margin-top: 20px;  
padding: 15px 25px;  
border: 1px solid black;  
box-shadow: 2px;  
border-radius: 8px;  
}  
.radio  
{  
accent-color: black;  
transform: scale(1);  
}  
div img  
{  
margin: 20px;  
border: 30px solid;  
align-items: center;
```

```

padding-right:10px ;

}

.contact
table,tr,th,td
{
border:2px solid;
margin: 50px auto;
padding-bottom:10px;
padding-top: 10px;
border-collapse:collapse;
width: 175px;
padding:10px;

}

.contact td:nth-child(even)
{
background:chocolate;
}

</style>
</head>
<body>
<h3> Right To Vote!!</h3>
<form class="feed">
<h3>First Name:</h3><input type="text" id="fname"><br>
<h3> Second Name:</h3><input type="text" id="sname"><br>
<h3> Age:</h3> <input type="text" name="" id="age"><br>
<input type="submit" value="verify" onclick="oruviral()">

```

```

<div id="result"></div>

</form>

<script>
function oruviral()
{
    let flag=0;
    event.preventDefault();
    // let num=['1','2','3','4','5','6','7','8','9','10']

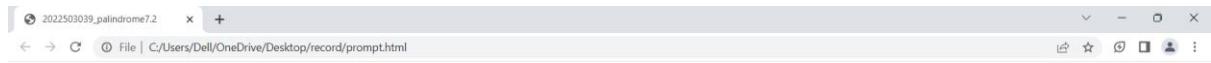
    let age=document.getElementById("age").value;
    if(!isNaN(age))
        if(age>17) {
            const result=document.getElementById("result")
            result.innerHTML='<h4>You're eligible to vote</h4>'
        }
        const result=document.getElementById("result")
        result.innerHTML='<h4>You're not eligible to vote</h4>'
    }
    else{
        const result=document.getElementById("result")
        result.innerHTML='<h4>Enter a Number</h4>'
    }
}
</script>

</body>
</html>

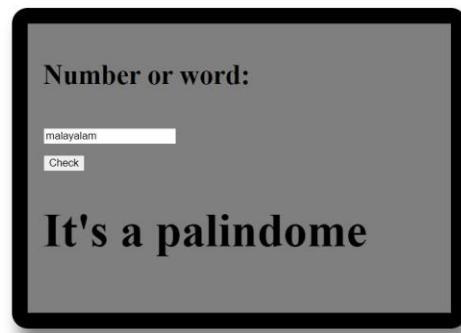
```

RESULT:

The webpage was successfully designed



Palindrome verifier!!



7.3PALINDROME

AIM:

write a html code to check given number is palindrome or not

ALGORITHM:

- <h1>-<h6> - To write heading
- <label> -Defines a label for an <input> element
- <input> -Defines an input control
- <button> -Defines button

SOURCE CODE:

```
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>2022503039_palindrome7.2</title>

<link rel="stylesheet" href="form.css">

<style>

.feed

{

border-radius: 20px;

border: 2px solid;

display:block;

width:500px;

margin:250px auto;

box-shadow: 10px 20px 20px gray;

padding:10px 20px 30px;

font-size: 30px;
```

```
background-color:rgba(0,0,0,0.5);  
margin-top: 40px;  
margin-bottom: 40px;
```

```
}
```

```
.feed .textla{  
    display:block;  
    font-size:medium;  
    color:white;  
    line-height: 25px;
```

```
}
```

```
.feed label{  
    font-size:medium;  
    color:white;  
}  
  
.input input{
```

```
border:1px solid;  
box-shadow: 2px;  
border-radius: 8px;  
padding:5px 10px;  
box-sizing:border-box;
```

```
}
```

```
.i input{  
    width:100%;  
    height: 175px;  
    font-size:1.2em;  
    border:1px solid;  
    box-shadow: 2px;
```

```
border-radius: 8px;  
padding: 5px 10px;  
box-sizing: border-box;  
}  
.input input:focus {  
background-color: #83C5BE;  
}  
.btn {  
text-align: center;  
}  
button {  
background-color: #83C5BE;  
font-size: 30px;  
margin-top: 20px;  
padding: 15px 25px;  
border: 1px solid black;  
box-shadow: 2px;  
border-radius: 8px;  
}  
.radio  
{  
accent-color: black;  
transform: scale(1);  
}  
div img  
{  
margin: 20px;  
border: 30px solid;  
align-items: center;
```

```

padding-right:10px ;

}

.contact
table,tr,th,td
{
border:2px solid;
margin: 50px auto;
padding-bottom:10px;
padding-top: 10px;
border-collapse:collapse;
width: 175px;
padding:10px;

}

.contact td:nth-child(even)
{
background:chocolate;
}

</style>
</head>
<body>
<h1>
    Palindrome verifier!!
</h1>
<form class="feed">
    <h3> Number or word:</h3><input type="text" id="name" placeholder="enter a
number"><br>

```

```

<input type="submit" value="Check" onclick="palindrome()">
<div id="result"></div>
</form>
<script>
function palindrome()
{
    event.preventDefault();

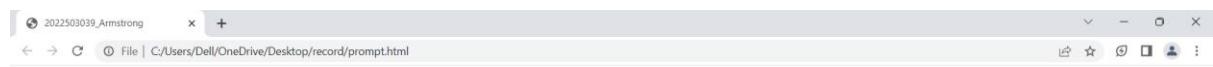
    let name=document.getElementById("name").value

    let string = [...name].reverse().join("")
    string=string.toUpperCase()
    name=name.toUpperCase()
    if(name==string)
    {
        const result=document.getElementById("result")
        result.innerHTML='<h1>It's a palindome</h1>'
    }
    else{
        const result=document.getElementById("result")
        result.innerHTML='<h4>It's not a palindrome</h4>'
    }
}
</script>
</body>
</html>

```

RESULT:

The webpage was successfully designed



Armstrong Number verifier

number:

You're number is an Armstrong
number



~145~

7.4 ARMSTRONG

AIM:

write a html code to check given number is palindrome or not

ALGORITHM:

- <h1>-<h6> - To write heading
- <label> -Defines a label for an <input> element
- <input> -Defines an input control
- <button> -Defines button

SOURCE CODE:

```
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>2022503039_Armstrong</title>

<style>

.feed

{

border-radius: 20px;

border: 20px solid;

display:block;

width:500px;

margin:250px auto;

box-shadow: 10px 20px 20px gray;

padding:10px 20px 30px;

font-size: 30px;

background-color:rgba(0,0,0,0.5);
```

```
margin-top: 40px;  
margin-bottom: 40px;  
}  
  
.feed .textla{  
    display:block;  
    font-size:medium;  
    color:white;  
    line-height: 25px;  
}  
  
.feed label{  
    font-size:medium;  
    color:white;  
}  
  
.input input{  
    border:1px solid;  
    box-shadow: 2px;  
    border-radius: 8px;  
    padding:5px 10px;  
    box-sizing:border-box;  
}  
  
.i input{  
    width:100%;  
    height: 175px;  
    font-size:1.2em;  
    border:1px solid;  
    box-shadow: 2px;  
    border-radius: 8px;  
    padding:5px 10px;  
    box-sizing:border-box;
```

```
}

.input input:focus{
    background-color: #83C5BE;
}

.btn{
    text-align:center;
}

button{
    background-color:#83C5BE;
    font-size: 30px;
    margin-top: 20px;
    padding:15px 25px;
    border:1px solid black;
    box-shadow: 2px;
    border-radius: 8px;
}

.radio
{
    accent-color: black;
    transform:scale(1);
}

div img
{
    margin:20px;
    border:30px solid;
    align-items: center;
    padding-right:10px ;
}

.contact
```

```

table,tr,th,td
{
    border:2px solid;
    margin: 50px auto;
    padding-bottom:10px;
    padding-top: 10px;
    border-collapse:collapse;
    width: 175px;
    padding:10px;
}

.contact td:nth-child(even)
{
    background:chocolate;
}

</style>

</head>

<body>

    <h1>
        Armstrong Number verifier
    </h1>

    <form class="feed" >

        number:<input type="Number" id="Arm"><br>
        <input type="submit" value="check" onclick="Armstrong()">
        <div id="result"></div>
    </form>

    <script>

        function power(a,i)
        {
            let sum=1;

```

```

for(j=1;j<i;j++)
sum*=a;
sum=parseInt(sum);
return sum;
}

function Armstrong()
{
event.preventDefault();
let num=document.getElementById("Arm").value;
let a=0,temp=num,i=0,sum=0;
while(temp>0)
{
temp=parseInt(temp)
temp/=10;
i=parseInt(i);
i++
}

temp=num
while(temp>0)
{
temp=parseInt(temp)
a=temp%10;
a=parseInt(a)
i=parseInt(i)
sum+=power(a,i)
sum=parseInt(sum);
temp/=10;
}

```

```
if(sum==num)
{
    const result=document.getElementById("result")
    result.innerHTML=`<h4>Your number is an Armstrong number</h4>`
}
else{
    const result=document.getElementById("result")
    result.innerHTML=`<h4>Your number is not an Armstrong number</h4>`
}
}

</script>
</body>
</html>
```

RESULT:

The webpage was successfully designed

Shop - Google Drive

File | D:/Downloads%20Chrome/Shop-20230721T211559Z-001/Shop/shopIndex.html

ELECTRONICS

HOME Today's Deals Best Sellers ABOUT CART

"If your hate could be turned into Electricity, it would light up the whole world"- Nikola Tesla


HP LAPTOP 2679
Rating : 4.5
[ADD TO CART](#)


Mac Book
Rating : 4.2
[ADD TO CART](#)


Sony Bravia Kd-3123
Rating : 4.6
[ADD TO CART](#)


[ADD TO CART](#)


[ADD TO CART](#)

Shop-20230721T2....zip

31°C Haze

Search

02:48 AM 22-07-2023

ENG IN

File | D:/Downloads%20Chrome/Shop-20230721T211559Z-001/Shop/shopIndex.html

[ADD TO CART](#) [ADD TO CART](#) [ADD TO CART](#)


Asus Gaming PC (complete set)
Rating : 4.2
[ADD TO CART](#)


HP PC , keyboard , mouse included with rgb lighting for ROG
Rating : 4
[ADD TO CART](#)


Canon Printer both color and monochrome with inks
Rating : 3.8
[ADD TO CART](#)


HP Smart Tank 670
Rating : 4.1
[ADD TO CART](#)


Hp Mechanical Keyboard with Rgb lighting for gamers and productive workers
Rating : 4.2
[ADD TO CART](#)


Sony PlayStation 5 (complete set)
Rating : 5
[ADD TO CART](#)

Shop-20230721T2....zip

31°C Haze

Search

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~ 152 ~

7.4 ADD TO CARD

AIM:

Write a JAVASCRIPT code to make Add to card functionality

ALGORITHM:

- <h1>-<h6> - To write heading
- <label> -Defines a label for an <input> element
- <input> -Defines an input control
- <button> -Defines button

SOURCE CODE:

```
<html>
  <head>
    <title>2022503039-7-5-shop</title>
    <link rel = "styleSheet" href="shopcss.css">
    <script type = "text/javascript" src="shopjs.js"></script>
  </head>

  <body>
    <div class = "topbox">
      <div style = "float : right ; ">
        <img src = "cartPng.png" width = "50px" height = "50px">
        <input class = "cartbutton" type = "button" value = " CART" name = "cartbutton"
        onclick="return cartpage()">
      </div>
      <span id = "topspan">ELECTRO<span id = "topspan" style = "color :red
      ">NICS</span></span>
      <input type = "search" placeholder="Search" size="70">
      <input class = "searchbutton" type = "button" value = "SURF">
    </div>
```

```

<div class = "buttonBox">
    <input id = "bbb" type = "button" name = "home" value = "HOME" onclick = "return
back()">
    <input id = "bbb" type = "button" name = "ToDeal" value = "Today's Deals">
    <input id = "bbb" type = "button" name = "bestSell" value = "Best Sellers ">
    <input id = "bbb" type = "button" name = "about" value = "ABOUT">
</div>
<div id = "container">
    <div class = "Greetings" id = "Greetings">
        <div class = "innerGreetings" >
            <q><i>If your hate could be turned into <span style = "color : red
;">Electricity</span>, it would light up the whole world</i></q>
        </div>
        <div class = "tesla"><i><b> - Nikola Tesla </b></i></div>
    </div>
    <div class = "products" id = "products">
        <form name = "pform" onsubmit="return addToCart(event)">
            <div class = "p1" name = "p1">
                <img src = "p1Lap.jpg" width = "200px" height = "200px">
                <p id = "p1" name = "add1">HP LAPTOP 2679<br>Rating : 4.5<br></p>
                <input type ="submit" value = "ADD TO CART " name = "0">
            </div>
            <div class = "p2" name = "p2">
                <img src = "p2Mac.jpg" width = "200px" height = "200px">
                <p id = "p2" name = "add2">Mac Book<br>Rating : 4.2<br></p>
                <input type ="submit" value = "ADD TO CART " name = "1">
            </div>
            <div class = "p3" name = "p3">
                <img src = "p3Tv.jpg" width = "200px" height = "200px">
                <p id = "p3" name = "add3">Sony Bravia Kd-3123<br>Rating : 4.6<br></p>
            </div>
        </form>
    </div>

```

```

<input type ="submit" value = "ADD TO CART " name = "2">
</div> <div class = "p4" name = "p4">
    <img src = "p4HT.jpg" width = "200px" height = "200px">
    <p id = "p4" name = "add4">Sony D40 5.1 Audio system<br>Rating :
4.9<br></p>

    <input type ="submit" value = "ADD TO CART " name = "3">
</div><div class = "p5" name = "p5">
    <img src = "p5Hp1.jpg" width = "200px" height = "200px">
    <p id = "p5" name = "add5">Boat rockers 450 Bluetoothphones<br>Rating :
5<br></p>

    <input type ="submit" value = "ADD TO CART " name = "4">
</div><div class = "p6" name = "p6">
    <img src = "p6Hp2.jpg" width = "200px" height = "200px">
    <p id = "p6" name = "add6">Sony Wh-ch-210 bluetooth bass boosted
headphones<br>Rating : 4.3<br></p>

    <input type ="submit" value = "ADD TO CART " name = "5">
</div>

<div class = "p7" name = "p7">
    <img src = "p7pc.jpg" width = "200px" height = "200px">
    <p id = "p7" name = "add7">Asus Gaming Pc (complete set)<br>Rating :
4.2<br></p>

    <input type ="submit" value = "ADD TO CART " name = "6">
</div>

<div class = "p8" name = "p8">
    <img src = "p8pc2.jpg" width = "200px" height = "200px">
    <p id = "p8" name = "add8">HP Pc , keyboard , mouse included with rgb
lighting for ROG <br>Rating : 4<br></p>

    <input type ="submit" value = "ADD TO CART " name = "7">
</div>

<div class = "p9" name = "p9">
    <img src = "p9pri.jpg" width = "200px" height = "200px">

```

```

<p id = "p9" name = "add9">Canon Printer both color and monochrome with  

inks <br>Rating : 3.8<br></p>

<input type ="submit" value = "ADD TO CART " name = "8">

</div>

<div class = "p10" name = "p10">

<img src = "p10.jpg" width = "200px" height = "200px">

<p id = "p10" name = "add10">HP Smart Tank 670<br>Rating : 4.1<br></p>

<input type ="submit" value = "ADD TO CART " name = "9">

</div><div class = "p11" name = "p11">

<img src = "p11.jpg" width = "200px" height = "200px">

<p id = "p11" name = "add11">Hp Mechanical Keyboard with Rgb lighting for  

gamers and productive workers<br>Rating : 4.2<br></p>

<input type ="submit" value = "ADD TO CART " name = "10">

</div> <div class = "p12" name = "p12">

<img src = "p12.jpg" width = "200px" height = "200px">

<p id = "p12" name = "add12">Sony PlayStation 5 (complete set)<br>Rating :  

5<br></p>

<input type ="submit" value = "ADD TO CART " name = "11">

</div> </div> </form>

<div id = "cartpage">

    Your Cart is Empty !

</div>

</div>

</body>

</html>

```

RESULT:

The webpage was successfully designed.

8. WORDPRESS REPORT

bookcafe.com:

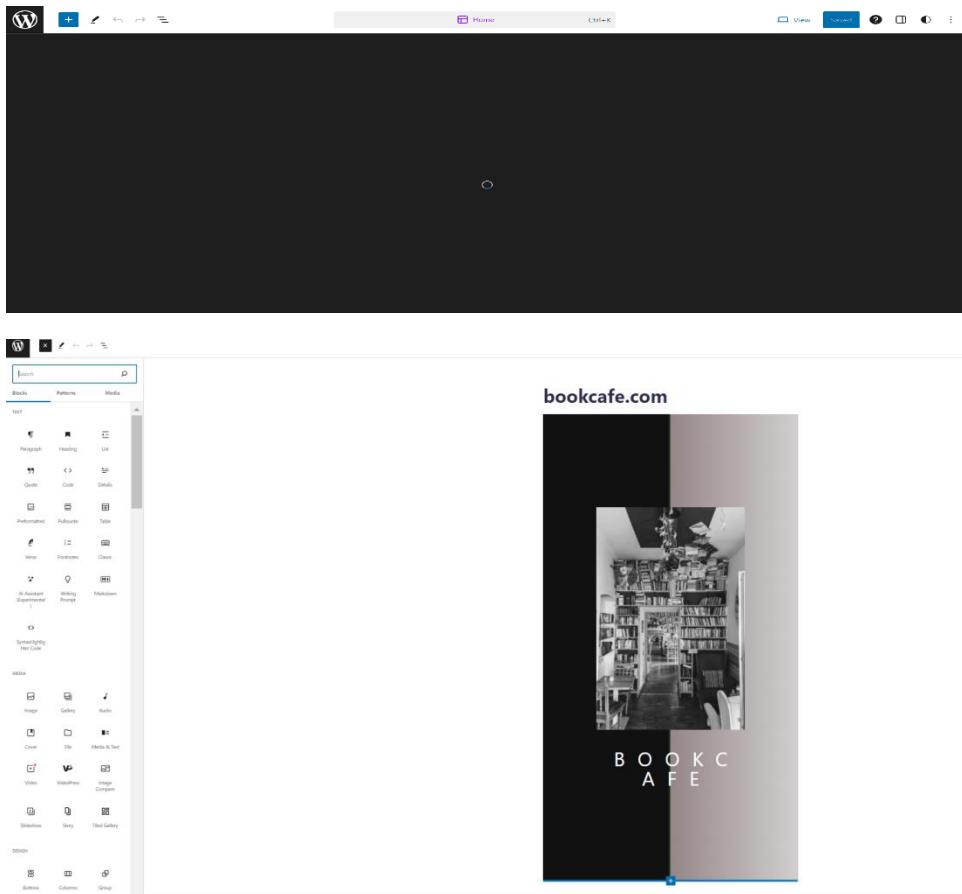
Harmonica is a page for **bookcafe.com** shop that show menu of the bookcafe.com, openday ,mail address

Now let us see how WordPress allows us to create the website step by step

Edit Site Design:

One can customize his site using this **EDIT SITE DESIGN** option provided. Once you selected this option you will be directed to a new page where you can build your website.

The Image of the workspace is inserted below:

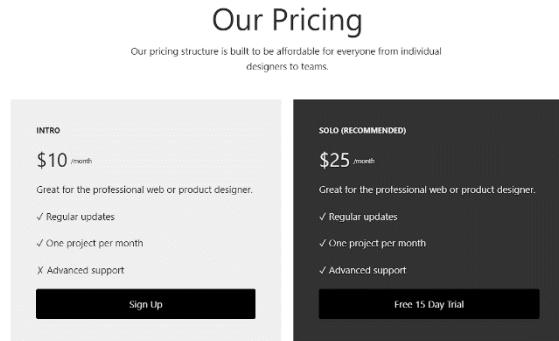


- The first image is the default workspace which will open when you did not select any templates. In this way you must create your website from scratch.
- In The second image, we have used the template which is shown as an example in adding patterns to our website.

Word press's Workspace provides you better and clear view to enhance or direct your website in the way you imagined or the way the world imagined about your page.

As you can see, in the left side of the website you are provided with number of features that can added or inserted into your webpage. The more you add the more audience you can attract to your website.

For example, we have chosen the Shop tab to add a subscription box to our building website.



You can change the colour, font, text, spacing for the above shop tab.

You can also change the pricing and make the buttons clickable and functional without any JAVASCRIPT code.

Some of the blocks used in this website are

- **Calander** – to display the schedules
- **Table** – to display the timing of the shows
- **Image** ~ to display image
- **Feedback** – to ask user to enter feedback for the page
- **Menu** –to show menu of the shop
- **Social media embeds**– to embed social media accounts
- **Coming soon** – coming soon feature is added
- **Review** – Users can add review to the page
- **Mail id** – sends user a verification email
- **Table** – the show timings and host names are added
- **Header** – header for the page is added
- **Footer** – footer for the page is added

A collage of five images from a WordPress media library, each representing a different type of beverage. The images are arranged in two rows: the top row contains three images (a cappuccino, a latte with a heart, and a dark espresso), and the bottom row contains two images (a iced coffee with mint, and a glass of tea with lemon and honey). The left side of the image shows the WordPress media library sidebar with various block types and media options.

The image shows a screenshot of a Wix website builder's preview mode. On the left, there is a vertical toolbar with various editing and design tools. The main content area has a teal background. At the top left, the word "MENU" is displayed in white. Below it is a list of items: "Cappuccino", "Espresso", "Americano", and "Peach tea". To the right of this list is a large, framed photograph of a person sitting at a desk in a library, surrounded by bookshelves. In the bottom left corner of the teal area, there is a green box containing the text "b OO kc AFE". Below this box, another green box contains the text "9AM - 10AM", "WEEKDAYS", "CLOSED ON", and "WEEKENDS".

Feedback:

A feedback button is added as a floating button in the left bottom corner. When the user presses the Feedback button then a pop-up box will appear, and they will be asked to write feedback.

[There are many other important, useful and attractive blocks. But unfortunately, most of them are belong to paid version of this website. To know about the payments and plans offered by WordPress continue reading to the end]

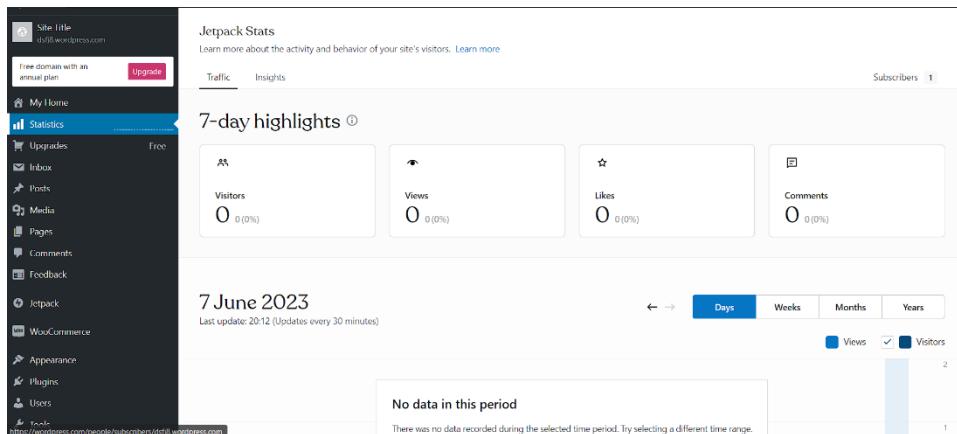
Setting it to the internet:

After creating your site, you can set your website free on the internet and get the statistics of your page using word press's own statistics bar.

You can either use WordPress's default bot generated blog name or you can pay and get your own domain name.

You can edit and update a site even after you launched your site on the internet.

Statistics:



This is the statistics of the page created to do this word document.

You can check the number of visitors, views and the number of persons who liked your page and the number of persons who commented or reviewed your page and the number of comments too. You can constantly add new features to your page and update your site simultaneously.

You can also check and get details about the geographical reach of your page across the globe. You can also be known the number of persons searched your site and the keywords related to your page. By using these keywords, you can get more views and you can raise your bar of your page.

Conclusion:

In conclusion, WordPress is a powerful and versatile content management system (CMS) that has revolutionized the way websites are created and managed. It offers a user-friendly interface, extensive customization options, and a vast ecosystem of themes and plugins, making it suitable for both beginners and experienced developers.

9. STRUCTURED QUERY LANGUAGE

AIM:

create a following relation(table) in the schema or the database that keeps track of student enrollment in courses and the books used for each course:

- 1) student table(
 rollno, name, deptcode, email, address)
 - 2) course table(
 course code, course name, department code)
 - 3) enrollmenttable(
 rollno, course code, sem, grade)
 - 4) textbook table(
 course code, sem, book isbn)
 - 5) book details table(
 book-isbn, title, publisher, author)
-
- a) add a column name price in the book details table
 - b) add a check constraint to the grade column in the enrollment table and restrict it to hold(O,A+,A,B+,B,RA)
 - c) drop the column address in student
 - d) create a table department(deptcode, dept name, dept location, branch code, branch name)
 - e) differentiate between drop and truncate table
 - f) add a not null constraint to the author column in the book details table
 - g) Add a column to the book details tab by name, published year, edition and make them not null
 - h) modify the data type or the size of course name column in the course table
 - i) insert 5 instances for each table.

CODE:

```
Table dropped.

SQL> create table textbook(
  2  coursecode varchar(20),
  3  sem int,
  4  bookisbn int
  5  );

Table created.

SQL> clear;
SQL> desc student;
Name          Null?    Type
-----
ROLL_NO           NUMBER(38)
NAME             VARCHAR2(28)
DEPT_CODE        VARCHAR2(10)
DOB              DATE
EMAIL            VARCHAR2(25)
ADDRESS          VARCHAR2(100)

SQL> desc course;
Name          Null?    Type
-----
COURSECODE      VARCHAR2(28)
COURSENAME      VARCHAR2(28)
DEPTCODE        NUMBER(38)

SQL> desc enrollment;
Name          Null?    Type
-----
ROLLNO           NUMBER(38)
COURSECODE      VARCHAR2(28)
SEM              NUMBER(38)
GRADE            CHAR(2)

SQL> desc textbook;
Name          Null?    Type
-----
COURSECODE      VARCHAR2(28)
SEM              NUMBER(38)
BOOKISBN         NUMBER(38)

SQL> desc bookdetails;
ERROR:
ORA-04043: object bookdetails does not exist
```

```
SQL> desc bookdetails;
Name          Null?    Type
-----
BOOKISBN        NUMBER(38)
TITLE           VARCHAR2(20)
PUBLISHER       VARCHAR2(20)
AUTHOR          VARCHAR2(25)

SQL> .
```

```

SQL> alter table bookdetails add(price int);

Table altered.

SQL> desc bookdetails;
Name          Null?    Type
-----        -----
BOOKISBN      NUMBER(38)
TITLE         VARCHAR2(20)
PUBLISHER    VARCHAR2(20)
AUTHOR        VARCHAR2(25)
PRICE         NUMBER(38)

SQL>

```

```

SQL> alter table enrollment add check(grade in ('o','a+','a','b+','b','na','0','A+','A','B+','B','RA'));

Table altered.

SQL> desc enrollment
Name          Null?    Type
-----        -----
ROLLNO        NUMBER(38)
COURSECODE    VARCHAR2(20)
SEM           NUMBER(38)
GRADE         CHAR(2)

SQL> desc bookdetails;
Name          Null?    Type
-----        -----
BOOKISBN      NUMBER(38)
TITLE         VARCHAR2(20)
PUBLISHER    VARCHAR2(20)
AUTHOR        VARCHAR2(25)
PRICE         NUMBER(38)

SQL>

```

```

SQL> alter table student drop column address;

Table altered.

SQL> desc student;
Name          Null?    Type
-----        -----
ROLL_NO       NUMBER(38)
NAME          VARCHAR2(20)
DEPT_CODE    VARCHAR2(10)
DOB           DATE
EMAIL         VARCHAR2(25)

SQL>

```

```

SQL> truncate table department;

Table truncated.

SQL> desc department;
Name          Null?    Type
-----          -----
DEPTCODE           NUMBER(38)
DEPTNAME          VARCHAR2(25)
DEPTLOCATION       VARCHAR2(30)
BRANCHCODE         NUMBER(38)
BRANCHNAME         VARCHAR2(30)

```

```

SQL> drop table department;

Table dropped.

SQL> desc department;
ERROR:
ORA-04043: object department does not exist

SQL>

```

```

SQL> desc bookdetails;
Name          Null?    Type
-----          -----
BOOKISBN           NUMBER(38)
TITLE             VARCHAR2(20)
PUBLISHER        VARCHAR2(20)
AUTHOR            VARCHAR2(25)
PRICE             NUMBER(38)

SQL> alter table bookdetails modify author varchar2(25) not null;

Table altered.

SQL> desc bookdetails'
SP2-0565: Illegal identifier.
SQL> desc bookdetails;
Name          Null?    Type
-----          -----
BOOKISBN           NUMBER(38)
TITLE             VARCHAR2(20)
PUBLISHER        VARCHAR2(20)
AUTHOR            NOT NULL VARCHAR2(25)
PRICE             NUMBER(38)

```

```

SQL> alter table bookdetails add name varchar(20) not null;
Table altered.

SQL> alter table bookdetails add published_year date not null;
Table altered.

SQL> alter table bookdetails add edition int not null;
Table altered.

SQL> desc bookdetails;
      Name          Null?    Type
-----+
BOOKISBN                    NUMBER(38)
TITLE                      VARCHAR2(20)
PUBLISHER                  VARCHAR2(20)
AUTHOR                     NOT NULL VARCHAR2(25)
PRICE                      NUMBER(38)
NAME                       NOT NULL VARCHAR2(20)
PUBLISHED_YEAR             NOT NULL DATE
EDITION                     NOT NULL NUMBER(38)

SQL>

```

```

SQL> alter table course modify coursename varchar(50) not null;
Table altered.

SQL> desc course;
      Name          Null?    Type
-----+
COURSECODE                  VARCHAR2(20)
COURSENAMES                 NOT NULL VARCHAR2(50)
DEPTCODE                     NUMBER(38)

```

```

SQL> desc bookdetails;
      Name          Null?    Type
-----+
BOOKISBN                    NUMBER(38)
TITLE                      VARCHAR2(20)
PUBLISHER                  VARCHAR2(20)
AUTHOR                     NOT NULL VARCHAR2(25)
PRICE                      NUMBER(38)
NAME                       NOT NULL VARCHAR2(20)
PUBLISHED_YEAR             NOT NULL DATE
EDITION                     NOT NULL NUMBER(38)

```

```
SQL> select * from student;
```

ROLL_NO	NAME	DEPT_CODE	DOB	EMAIL
1	aaa	6000	11-NOV-00	aaa@gmail.com
2	bbb	6000	11-NOV-00	bbb@gmail.com
3	ccc	5000	11-NOV-00	ccc@gmail.com
23	ddd	3000	11-NOV-00	ddd@gmail.com
8	eee	4000	11-NOV-00	eee@gmail.com

```
SQL>
```

```
SQL> INSERT INTO enrollment VALUES(001,'MA6251',1,'A');
```

```
1 row created.
```

```
SQL> INSERT INTO enrollment VALUES(002,'CS6101',1,'O');
```

```
1 row created.
```

```
SQL> INSERT INTO enrollment VALUES(003,'HS6251',3,'B+');
```

```
1 row created.
```

```
SQL> INSERT INTO enrollment VALUES(004,'CS6102',2,'A');
```

```
1 row created.
```

```
SQL> INSERT INTO enrollment VALUES(005,'MA6252',2,'A+');
```

```
1 row created.
```

```
SQL> select * from enrollment;
```

ROLLNO	COURSECODE	SEM	GR
1	MA6251	1	A
2	CS6101	1	O
3	HS6251	3	B+
4	CS6102	2	A
5	MA6252	2	A+

```
1 row created.
```

```
SQL> insert into textbook values('CY6252',2,0976);
```

```
1 row created.
```

```
SQL> insert into textbook values('CS6101',1,1087);
```

```
1 row created.
```

```
SQL> select * from textbook;
```

COURSECODE	SEM	BOOKISBN
MA6252	2	987
CS6252	2	927
MA6251	1	8765
CY6252	2	976
CS6101	1	1087

```

SQL> select * from bookdetails;

BOOKISBN TITLE          PUBLISHER        AUTHOR
-----  -----
PRICE NAME          PUBSLISHE    EDITION
-----  -----
      1 AAA           aaa          11-NOV-00      ppp
     145 XXX           1
      2 BBB           bbb          11-NOV-00      qqq
     141 YYY           5
      3 CCC           ccc          11-NOV-00      rrr
     120 ZZZ           3

BOOKISBN TITLE          PUBLISHER        AUTHOR
-----  -----
PRICE NAME          PUBSLISHE    EDITION
-----  -----
      4 DDD           ddd          11-NOV-00      sss
     100 XXX           2
      5 EEE           eee          11-NOV-00      ttt
     799 YYY           6

```

RESULT:

The database and the table was created



Palindrome Checker

Enter a number:

121 is a palindrome.



11.1 PALINDROME

AIM:

Write a php and html code to check the number is palindrome are not.

ALGORITHM:

- <form> - the user to enter a number.
- <label> - Defines a label for an <input> element
- <input> - the user can enter data. In this code
- <button> -Represents a clickable button
- <p> -paragraph element

SOURCE CODE:

```
<?php

function isPalindrome($number) {

    $reverse = strrev($number); // Reverse the number

    // Check if the original number is equal to its reverse

    if ($number == $reverse) {

        return true;

    } else {

        return false;

    }

}

if ($_SERVER['REQUEST_METHOD'] === 'POST') {

    $number = $_POST['number'];

    if (isPalindrome($number)) {

        $result = "$number is a palindrome.";

    } else {

        $result = "$number is not a palindrome.";

    }

}
```

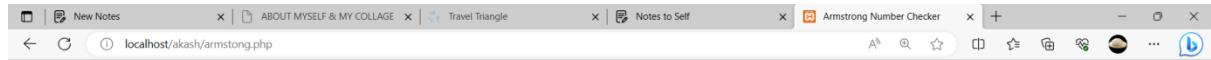
```
?>
```

```
<!DOCTYPE html>
<html>
<head>
    <title>2022503039</title>
    <link rel="stylesheet" href="form3.css">
</head>
<body>
    <h1>Palindrome Checker</h1>
    <form method="POST" action="">
        <label for="number">Enter a number:</label>
        <input type="number" id="number" name="number" required>
        <button type="submit">Check</button>
    </form>

    <?php if (isset($result)) : ?>
    <p><?php echo $result; ?></p>
    <?php endif; ?>
</body>
</html>
```

RESULT:

The webpage was successfully created.



Armstrong Number Checker

Enter a number:

153 is an Armstrong number.



11.2 ARMSTRONG

AIM:

Write a php and html code to check the number is armstrong or not.

ALGORITHM:

- **<form>** - the user to enter a number.
- **<label>** - Defines a label for an **<input>** element
- **<input>** - the user can enter data. In this code
- **<button>** -Represents a clickable button
- **<p>** -paragraph element

SOURCE CODE:

```
<?php

function isArmstrong($number) {

    $sum = 0;

    $temp = $number;

    $digits = strlen($number);

    while ($temp > 0) {

        $remainder = $temp % 10;

        $sum += pow($remainder, $digits);

        $temp = (int)($temp / 10);

    }

    if ($number == $sum) {

        return true;

    } else {

        return false;

    }

}

if ($_SERVER['REQUEST_METHOD'] === 'POST') {

    $number = $_POST['number'];
```

```

if (isArmstrong($number)) {
    $result = "$number is an Armstrong number.";
} else {
    $result = "$number is not an Armstrong number.";
}

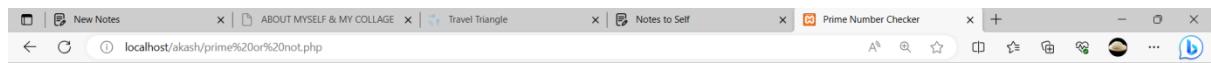
?>

<!DOCTYPE html>
<html>
<head>
    <title>Armstrong Number Checker</title>
</head>
<body>
    <h1>Armstrong Number Checker</h1>
    <form method="POST" action="">
        <label for="number">Enter a number:</label>
        <input type="number" id="number" name="number" required>
        <button type="submit">Check</button>
    </form>
    <?php if (isset($result)) : ?>
        <p><?php echo $result; ?></p>
    <?php endif; ?>
</body>
</html>

```

RESULT:

The webpage was successfully created.



Prime Number Checker

Enter a number:

3 is a prime number.



11.3 PRIME OR NOT

AIM:

Write a php and html code to check the number is prime or not.

ALGORITHM:

- <form> - the user to enter a number.
- <label> - Defines a label for an <input> element
- <input> - the user can enter data. In this code
- <button> -Represents a clickable button
- <p> -paragraph element

SOURCE CODE:

```
<?php

function isPrime($number) {

    if ($number <= 1) {

        return false;
    }

    for ($i = 2; $i <= sqrt($number); $i++) {

        if ($number % $i == 0) {

            return false;
        }
    }

    return true;
}

// Check if the form is submitted

if ($_SERVER['REQUEST_METHOD'] === 'POST') {

    $number = $_POST['number'];
```

```

if (isPrime($number)) {
    $result = "$number is a prime number.";
} else {
    $result = "$number is not a prime number.";
}

?>

<!DOCTYPE html>
<html>
<head>
<title>Prime Number Checker</title>
</head>
<body>
<h1>Prime Number Checker</h1>
<form method="POST" action="">
<label for="number">Enter a number:</label>
<input type="number" id="number" name="number" required>
<button type="submit">Check</button>
</form>

<?php if (isset($result)) : ?>
<p><?php echo $result; ?></p>
<?php endif; ?>
</body>
</html>

```

RESULT:

The webpage was successfully created.

The screenshot shows two windows side-by-side. The left window is a web browser displaying a "GPA Calculator" page. The right window is a MySQL database management tool showing the "students" table.

GPA Calculator Form:

Name:	akash
Register Number:	2022503041
Email:	12345@gmail.com
Address:	pattukkottai

Enter Marks for 6 Subjects:

Subject 1:	99
Subject 2:	99
Subject 3:	99
Subject 4:	99
Subject 5:	99
Subject 6:	99

MySQL Database Interface:

Server: 127.0.0.1 | Database: akash | Table: students

Structure | SQL | Search | Insert | Export | Import | Privileges | Operations | Tracking | Triggers

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0004 seconds)

SELECT * FROM `students`

Profiling | Edit | Explain SQL | Create PHP code | Refresh

id name reg_number email address subject1 subject2 subject3 subject4 subject5 subject6 gpa

Query results operations

Create view

Bookmark this SQL query

Label: Let every user access this bookmark

Bookmark this SQL query

Console

~ 178 ~

11.3 GPA CALCULATOR

AIM:

Write a php and html code to calculate gpa and store it in database

ALGORITHM:

- **<form>** - the user to enter a number.
- **<label>** - Defines a label for an **<input>** element
- **<input>** - the user can enter data. In this code
- **<button>** -Represents a clickable button
- **<p>** -paragraph element

SOURCE CODE:

Intex.html

```
<!DOCTYPE html>

<html>
<head>
<title>GPA Calculator</title>
<link rel="stylesheet" type="text/css" href="style.css">
</head>
<body>
<h1>GPA Calculator</h1>
<form method="POST" action="process.php">
<label for="name">Name:</label>
<input type="text" id="name" name="name" required><br>

<label for="reg_number">Register Number:</label>
<input type="text" id="reg_number" name="reg_number" required><br>
<label for="email">Email:</label>
<input type="email" id="email" name="email" required><br>
<label for="address">Address:</label>
```

```

<textarea id="address" name="address" required></textarea><br>
<h2>Enter Marks for 6 Subjects:</h2>
<label for="subject1">Subject 1:</label>
<input type="number" id="subject1" name="subject1" required><br>
<label for="subject2">Subject 2:</label>
<input type="number" id="subject2" name="subject2" required><br>
<label for="subject3">Subject 3:</label>
<input type="number" id="subject3" name="subject3" required><br>
<label for="subject4">Subject 4:</label>
<input type="number" id="subject4" name="subject4" required><br>
<label for="subject5">Subject 5:</label>
<input type="number" id="subject5" name="subject5" required><br>
<label for="subject6">Subject 6:</label>
<input type="number" id="subject6" name="subject6" required><br>
<button type="submit">Calculate GPA</button>
</form>
</body>
</html>

```

Prosecc.php

```

<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "akash";
// Create connection
$conn = new mysqli($servername, $username, $password, $dbname);

```

```

// Check connection

if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}

// Prepare and bind statements

$stmt = $conn->prepare("INSERT INTO students (name, reg_number, email, address,
subject1, subject2, subject3, subject4, subject5, subject6, gpa) VALUES (?, ?, ?, ?, ?, ?, ?, ?, ?, ?,
?, ?, ?)");
$stmt->bind_param("ssssiiiiii", $name, $reg_number, $email, $address, $subject1, $subject2,
$subject3, $subject4, $subject5, $subject6, $gpa);

// Get form data

$name = $_POST['name'];
$reg_number = $_POST['reg_number'];
$email = $_POST['email'];
$address = $_POST['address'];
$subject1 = $_POST['subject1'];
$subject2 = $_POST['subject2'];
$subject3 = $_POST['subject3'];
$subject4 = $_POST['subject4'];
$subject5 = $_POST['subject5'];
$subject6 = $_POST['subject6'];

// Calculate GPA

$total_marks = $subject1 + $subject2 + $subject3 + $subject4 + $subject5 + $subject6;
$gpa = $total_marks / 60;

// Execute the statement

$stmt->execute();
$stmt->close();
$conn->close();

?>

```

```
?>

<!DOCTYPE html>

<html>
<head>
<title>GPA Result</title>
<link rel="stylesheet" type="text/css" href="style.css">
</head>
<body>
<h1>GPA Result</h1>
<p>Your GPA has been calculated and stored successfully.</p>
</body>
</html>
```

Style.css

```
body {
    font-family: Arial, sans-serif;
    margin: 20px;
}
```

```
h1 {
    text-align: center;
}
```

```
form {
    width: 400px;
    margin: 0 auto;
}
```

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

```
input, textarea {  
    width: 100%;  
    padding: 5px;  
    margin-top: 5px;  
}
```

```
button {  
    margin-top: 10px;  
    padding: 5px 10px;  
}
```

RESULT:

The webpage was successfully created.