

WEB DEVELOPMENT FILE

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ST-CS B

BACHELOR OF TECHNOLOGY
IN
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**MGM'S COLLEGE OF ENGINEERING &
TECHNOLOGY, NOIDA**

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INTRODUCTION TO HTML

Web site: A set of interconnected web pages, usually including a homepage, generally located on the same server, and prepared and maintained as a collection of information by a person, group, or organization.

Web Page: A web page is a document that's created in html that shows up on the internet when you type in or go to the web page's address.

Types of Web Pages:

- **Static web page:** is delivered exactly as stored, as web content in the web server's file system. Contents cannot be changed.
- **Dynamic web page:** is generated by a web application that is driven by server-side software or client-side scripting. Dynamic web pages help the browser (the client) to enhance the web page through user input to the server. Contents can be changed as evolution over time.

Browsers & their types

A web browser (commonly referred to as a browser) is a software application for retrieving, presenting and traversing information resources on the World Wide Web.

The major web browsers are Google Chrome, Firefox, Internet Explorer, Opera, and Safari.

Client –Server Model

The client–server model is a distributed application structure in computing that partitions tasks or workloads between the providers of a resource or service, called servers, and service requesters, called clients. Often clients and servers communicate over a computer network. A server is a host that is running one or more server programs which share their resources with clients. A client requests a server's content or service function.

Web –Server

Web server refers to either the hardware (the computer) or the software (the computer application) that helps to deliver web content that can be accessed through the Internet. The most common use of web servers is to host websites, but there are other uses such as gaming, data storage or running enterprise application.

Working of different types of web pages

The different types of web pages are :

Advocacy: An advocacy web page is one sponsored by an organization to influence opinion. URL ends with .org

Business and marketing: It is one sponsored by a commercial enterprise to sell or market their services. URL ends with .com

News: It provides timely information about current events and issues.

Informational: This includes reports, research findings, schools and college information. URL ends with .edu or .gov.

Personal: It is created by an individual for his /her own personal need. URL has tidle(~).

General structure of a Web Page

A basic HTML page contains a Head section and a Body section. The contents of the head section are normally invisible in a web browser and mainly consists of some Metatags. The Body consist of those HTML elements that you want to have displayed in your browser.

```
<html>
<head>
</head>
<body>
</body>
</html>
```

Scripting language: A scripting language or script language is a programming language that supports the writing of scripts, programs written for a special runtime environment that can interpret and automate the execution of tasks which could alternatively be executed one-by-one by a human operator.

URL: A uniform resource locator (URL), also known as web address, is a specific character string that constitutes a reference to a resource. In most web browsers, the URL of a web page is displayed on top inside an address bar. An example of a typical URL would be "http://en.example.org/wiki/Main_Page".

Popular Search Engines

- Yahoo Search
- Google Search
- Bing
- Info.com
- Search.com
- Infospace

WWW: The World Wide Web (WWW) is a system of interlinked hypertext documents accessed via the Internet. With a web browser, one can view web pages that may contain text, images, videos, and other multimedia, and navigate between them via hyperlinks.

ILLUSTRATING HTML TAGS AND THEIR ATTRIBUTES

HTML:Hyper Text Markup Language is the most widely used language to write web pages.it is a markup language.

Hypertext :Refers to the way in which web pages are linked together.

Markup Language: The user simply markups a text document with tags that tell a web browser how to structure it to display.

Creating HTML document :To begin coding HTML user needs only two things:

1. A simple text editor (notepad).
2. A web browser.

Simple steps to create a basic HTML document:

1. Open notepad or another text editor.
2. At the top of the page type <html>
3. Add the opening header tag <head>
4. On the next line type <title> give title for page </title>
5. Go to next line and type closing header tag </head>
6. Go to next line and type opening body tag<body>
7. Go to next line and type closing body tag</body>
8. Finally, go to next line and type</html>
9. In the file menu,choose save as.
10. In the save as type option box,choose all files.
11. Name the file filename.html
12. Click save.

HTML document structure: An HTML document starts and ends with <html> and </html> tags. These tags tell the browser that the entire document is composed in HTML. Inside these two tags, the document is split into 2 sections:

1. The <head>.....</head> elements contains information about the document such as title of the document etc.
2. The <body>.... </body> elements contains the real content of the document that you see on your screen.

ATTRIBUTES:

An attribute is used to define the characteristics of an element and is placed inside the element's opening tag. All attributes are made up of 2 parts: a name and a value.

-The name is the property you want to set.

-The value is what you want the value of the property to be.

Example:

Exercises

1. Design a page having suitable background colour and text colour with title “My First Web Page” using all the attributes of the Font tag.

Procedure:

1. Go to start ->all program – >accessories-> notepad.
2. Type the html code.
3. Include title ”my first web page” in title tag.
4. Set the background for the webpage by using bgcolor attributes of the body tag.
5. Use font tag to display text.
6. Go to file->save->save the file with html extension.
7. Run the html code using browser.

```
<html >
<head>
<title>My first web page</title>
</head>
<body bgcolor="blue">
<font size="16" color="white" face="Arial"> I scream Your scream, we all scream for ice cream...
</font>
</body>
</html>
```

*******OUTPUT*******

I scream Your scream, we all scream for ice cream...

2. Create a HTML document giving details of your [Name, Age], [Address, Phone] and [Register Number, Class] aligned in proper order using alignment attributes of Paragraph tag.

Procedure:

1. Go to start ->all program – >accessories-> notepad
2. Type the html code
3. Align [name,age]to center by using align =”left ” of <p> tag
4. Align [register,number,class] to right using align=”right” of <p> tag
5. Go to file-> save->save the file with html extension
6. Run the html code using browser

```
<html>
<head>
<title>program 02</title>
<style>
  p{
    font-size: 40px;
  }
</style>
</head>
<body>
  <p align="center"> Name: YASH<br> Age: 19
</p>
  <p align="right">
    Address: MGM’S COET, NOIDA UTTAR PRADESH<br> Phone:
    00000XXX00
  </p>
  <p align="left"> Reg No:
    15AA5565<br>
    Class:2nd YEAR
  </p>
</body>
</html>
```

*******OUTPUT*******

Name : SHALU YADAV
Age : 19

Reg NO : 2587451
Class : 2nd YEAR

Address : MGM’S COET, NOIDA UTTAR PRADESH
Phone : 00000XXX00

3. Write HTML code to design a page containing some text in a paragraph by giving suitable heading style.

Procedure:

1. Go to start ->all program -> accessories-> notepad
2. Type the html code
3. Use<h1> to<h6>tag to display heading
4. Use <p> tag for the paragraph
5. Go to file- >save->save the file with html extension
6. Run the html code html using browser

```
<html>
<head>
<title>program 03</title>
</head>
<body>
<center>
<h1>Constitution Day</h1>
</center>
<h2 align="left" style="font-size: 42px;">lorem ipsum </h2>
<h3 align="left" style="font-size: 42px;">lorem</h3>
<p style="font-size: 32px;"> Lorem ipsum dolor sit amet consectetur adipisicing elit. Nam nihil iure culpa accusantium, quod assumenda doloribus sit repellat in expedita quaerat, ipsa exercitationem dolorum officia nostrum dignissimos, facilis consequatur numquam. Veritatis nesciunt eveniet facilis fuga. Ipsam nihil, dolor minus obcaecati vel molestiae amet fugiat. Eos temporibus maiores accusamus facere, labore libero alias doloremque rem unde ea saepe omnis praesentium. Perferendis?Blanditiis adipisci officia voluptatum eum aperiam, ab deleniti. Repellat, inventore aliquid aut minus dolor deserunt sequi eveniet possimus rerum iure excepturi nulla quasi harum aliquam odio eos, id dolores veniam.Repudiandae, officiis ratione. Repellat dolorum nam, sunt at quas enim dolores ex iste expedita omnis iusto eligendi quo. Illo, nam! Natus aperiam dolor quaerat facere? Quis eaque distinctio maiores dignissimos!Unde quidem, magnam adipisci nam reiciendis nemo quasi cupiditate minima architecto quis aperiam quia nesciunt suscipit reprehenderit deserunt esse necessitatibus officia. Illo sequi asperiores culpa a, repellat quisquam commodi consectetur.</p>
</body>
</html>
```

*****OUTPUT*****

Constitution Day

lorem ipsum

lorem

Lorem ipsum dolor sit amet consectetur adipisicing elit. Nam nihil iure culpa accusantium, quod assumenda doloribus sit repellat in expedita quaerat, ipsa exercitationem dolorum officia nostrum dignissimos, facilis consequatur numquam. Veritatis nesciunt eveniet facilis fuga. Ipsam nihil, dolor minus obcaecati vel molestiae amet fugiat. Eos temporibus maiores accusamus facere, labore libero alias doloremque rem unde ea saepe omnis praesentium. Perferendis?Blanditiis adipisci officia voluptatum eum aperiam, ab deleniti. Repellat, inventore aliquid aut minus dolor deserunt sequi eveniet possimus rerum iure excepturi nulla quasi harum aliquam odio eos, id dolores veniam.Repudiandae, officiis ratione. Repellat dolorum nam, sunt at quas enim dolores ex iste expedita omnis iusto eligendi quo. Illo, nam! Natus aperiam dolor quaerat facere? Quis eaque distinctio maiores dignissimos!Unde quidem, magnam adipisci nam reiciendis nemo quasi cupiditate minima architecto quis aperiam quia nesciunt suscipit reprehenderit deserunt esse necessitatibus officia. Illo sequi asperiores culpa a, repellat quisquam commodi consectetur.

4. Create a page to show different character formatting (B, I, U, SUB, SUP) tags.

$$\text{viz : } \log_b m^p = p \log_b m$$

Procedure:

1. Go to start ->all program – >accessories-> notepad
2. Type the html code
3. Include ,<u>,<sup>,<sub>,tags
4. Go to file->save-> save the file with html extension
5. Run the html code using browsers

```
<html>
<head>
<title>program 04</title>
</head>
<body>
<p> <b> <i> log</i></b> <sub>b </sub>m<sup> p</sup> =p<b> <i> log </i>
</b><sub>b</sub> m</p>
</body>
</html>
```

*****OUTPUT*****

$$\log_b m^p = p \log_b m$$

5. Write HTML code to create a Web Page that contains an Image at its center.

Procedure:

1. Go to start ->all program – >accessories-> notepad
2. Type the html code
3. Include tag inside <center> tag and set align attribute of img tag to middle
4. Go to file->save->save the file with html extension
5. Run the html code using browsres

```
<html>
<head>
<title>program 05</title>
</head>
<body>
<center>

</center>
</body>
</html>
```

*******OUTPUT*******



6. Create a web page with an appropriate image towards the left hand side of the page, when user clicks on the image another web page should open.

Procedure:

1. Go to start ->all programs-> accessories->notepad
2. Include tag inside<a> tag
3. Save the file as p1.html
4. Create another file
5. Type the html code
6. Save the file as p2.html
7. In <a> tag assign p2.html to href attribute
8. Go to file-> save->save the file with html extension
9. Run the html code using browsers

```
<html>
<head>
<title>program 05</title>
</head>
<body>
<a href="p2.html">
  
</a>
</body>
</html>
```

P2.html

```
<html>
<head>
<title>program 06</title>
</head>
<body> Hi Welcome... </body>
</html>
```

*******OUTPUT*******



P2.html

hello ji welcome!!

7. Create web Pages using Anchor tag with its attributes for external links. Procedure:

1. Go to start->all programs->accessories->notepad.
2. Create file called as p1.html
3. To provide external link between p1.html and gmail website use <a> in p1.html and mention url of gmail website in href attribute.
4. Save the file.
5. Run the p1.html file using browsers.
6. If we click on the link it should link to gmail website.

P1.html

```
<html>
<head><title>page 1</title>
</head>
<body>
<p>welcome to amazon home page</p>
<a href="http://www.amazon.com">click here to open youtube </a>
</body>
</html>
```

*******OUTPUT*******

welcome to amazon home page

[CLICK HERE TO OPEN AMAZON](http://www.amazon.com)

8. Create a web page for internal links; when the user clicks on different links on the web page it should go to the appropriate locations/sections in the same page.

Procedure:

1. Go to start->all programs->accessories->notepad.
2. Type the html code.
3. First give name for the each section of the page by using name attribute of the <a>tag (i.e)
4. To provide link for the sections use href="#name of section" in<a> tag.
5. Go to file->save->save the file with .html extension.
6. Run the html code using browsers.

Note: Include paragraph means, include some text paragraph in <p> tag

```
<html>
<head><title>program 8</title>
<style>
p{
font-size: 40px;
}
a{
font-size: 30px;
}
</style>
</head>
<body>
<a name="home"></a>
<a name="home"></a>
<p>Lorem ipsum dolor sit amet consectetur, adipisicing elit. Similique perferendis quasi dolores
nesciunt iste, voluptatibus blanditiis quos dignissimos beatae molestias. Cumque perferendis
provident nisi facere aliquam asperiores consequatur minus ipsum iure architecto, nulla, vero cum
voluptates modi quas veniam, quaerat odio natus animi tenetur amet. Accusamus consectetur
provident quidem incidunt?
</p>
<h1>contents</h1>
<a href="https://www.leetcode.com">History</a><br>
<a href="https://www.geeksforgeeks.org">Html version</a><br>
<p>Lorem ipsum dolor sit amet consectetur, adipisicing elit. Sit esse at ad necessitatibus, suscipit
distinctio aliquid, nemo ipsum, optio dolor rerum odit iure quibusdam. Debitis natus velit magni
repudiandae vitae dolorum architecto iusto sed quia, autem soluta iste quisquam eum necessitatibus
excepturi, incidunt reiciendis vel esse qui rerum porro nisi.
</p><br>
<a href="https://www.geeksforgeeks.org">html versions</a>
<p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Ut dignissimos quae similique
aspernatur, hic maiores consequuntur molestiae id saepe sunt ratione quas optio minima rem minus
pariatur voluptate iusto itaque quisquam! Atque hic perspicatis iste sed distinctio aliquid ab fugit
quisquam, ex ut eius nesciunt. Quasi ratione sunt repudiandae in?
</p></br>
<a href="#home">home</a>
</body>
</html>
```


*****OUTPUT*****

Lorem ipsum dolor sit amet consectetur, adipisicing elit. Similique perferendis quasi dolores nesciunt iste, voluptatibus blanditiis quos dignissimos beatae molestias. Cumque perferendis provident nisi facere aliquam asperiores consequatur minus ipsum iure architecto, nulla, vero cum voluptates modi quas veniam, quaerat odio natus animi tenetur amet. Accusamus consectetur provident quidem incidunt?

contents

[History](#)
[Html version](#)

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[html versions](#)

Lorem ipsum dolor sit amet consectetur adipisicing elit. Ut dignissimos quae similique aspernatur, hic maiores consequuntur molestiae id saepe sunt ratione quas optio minima rem minus pariatur voluptate iusto itaque quisquam! Atque hic perspiciatis iste sed distinctio aliquid ab fugit quisquam, ex ut eius nesciunt. Quasi ratione sunt repudiandae in?

[home](#)

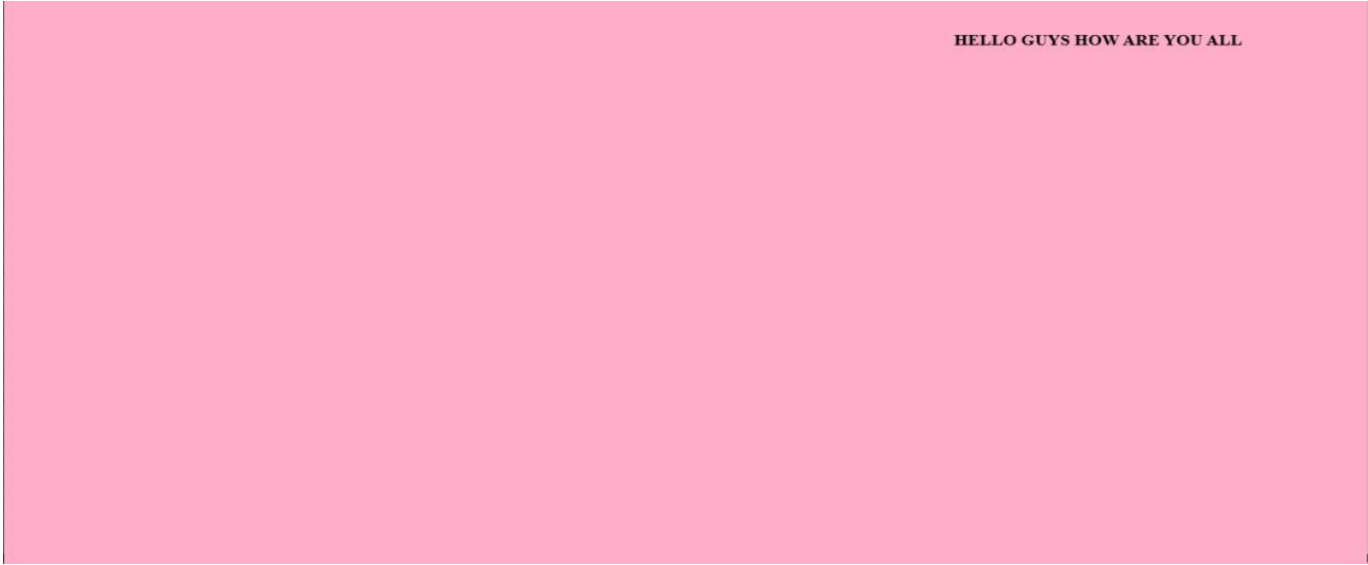
9. Write a HTML code to create a web page with pink color background and display moving message in red color.

Procedure:

1. Go to start->all programs->accessories->notepad
2. Type the html code
3. Include bgcolor="pink" attribute in the body tag
4. Use font tag to display moving text in red color by setting color="red" attribute
5. Include marquee tag inside font tag to display moving text
6. Go to file ->save->save the file with html extension
7. Run the html code using browser

```
<html>
<head>
<title>program 09</title>
</head>
<body bgcolor="pink">
<font color="red"><marquee direction="right">
HELLO GUYS HOW ARE YOU
ALL</marquee></font>
</body>
</html>
```

*******OUTPUT*******



HELLO GUYS HOW ARE YOU ALL

10. Create a web page, showing an ordered list of all second semester courses

(Subjects) Procedure:

1. Go to start->all programs->accessories->notepad
2. Type the html code
3. Use ---- tag to display ordered list of all subject
4. Inside tag use -- tag to list each subject
5. Go to file ->save->save the file with html extension
6. Run the html code using browser

```
<html>
<head>
<title>program 09</title>
<style>
  ol{
    font-size: 40px;
  }
</style>
</head>
<body>
<ol>
<li>English </li>
<li>Maths-2</li>
<li>Digital Electronics & computer
fundamentals</li> <li>Basic Web design lab</li>
<li>multimedia lab</li>
<li>digital electronics</li>
</ol>
</body>
</html>
```

*****output*****

1. English
2. Maths-2
3. Digital Electronics & computer fundamentals
4. Basic Web design lab
5. multimedia lab
6. digital electronics

11. Create a web page, showing an unordered list of names of all the Diploma Programmes (Branches) in your institution.

Procedure:

1. Go to start- >all programs- >accessories->notepad
2. Type the html code
3. Use tag to display unordered list of names of all the branches
4. Inside tag use tag to list each branch
5. Go to file – >save –> save the file with html extension
6. Run the html code using browser

```
<html>
<head>
  <title>program 11</title>
</head>
<body>
  <ul>
    <li> Computer science and Engg </li>
    <li> Electronics and communication </li>
    <li> Civil Engg </li>
    <li> Mechanical Engg</li>
  </ul>
</body>
</html>
```

*******OUTPUT*******

- Computer science and Engg
- Electronics and communication
- Civil Engg
- Mechanical Engg

12. Create a HTML document containing a nested list showing a content page of any book.

Procedure:

1. Go to start->all programs->accessories->notepad.
2. Type the html code.
3. Include tag for naming the chapter of the contents page.
4. Within the previous tag includes another tag to mention the different section of the particular chapter.
5. Use tag for adding the list items.
6. Go to file->save->save the file with html extension.
7. Run the html code using browsers.

```
<html>
<head><title>program 12</title>
</head>
<body>
<ol type=1>
<li>chapter 1</li>
<ol type=1>
<li>section one</li>
<li>section two</li>
</ol type=1>
<li>chapter 2</li>
<ol type=1>
<li>section one</li>
<li>section two</li>
</ol>
</ol>
</body>
</html>
```

*******OUTPUT*******

```
1. chapter 1
    1. section one
    2. section two
2. chapter 2
    1. section one
    2. section two
```

13. Create the following table in HTML with Dummy Data:

Reg. Number	Student Name	Year/Semester	Date of Admission

Procedure:

1. Go to start- all programs- accessories-notepad
2. Type the html code
3. Use<table>...</table> tag to draw table
4. Create 3 rows in the table by using <tr>...</tr> tag
5. In the first row create table heading by using <th></th>tag
6. In the next 2 rows add the data by using <th>.....</th>tag
7. Go to file →save->save the with.html extension]
8. Run the html file using firefox browser

```

<html>
<head>
<title>program 13</title>
</head>
<body>
<table border= "1">
  <tr>
    <th> reg.number</th>
    <th> student name</th>
    <th> year/semester </th>
    <th>date of admission</th>
  </tr>
  <tr>
    <td> 20AK1A0501</td>
    <td> parth</td>
    <td> 2nd</td>
    <td> 06/07/2024 </td>
  </tr>
  <tr>
    <td> 20AK1A0502 </td>
    <td> ranjit</td>
    <td>2nd</td>
    <td> 07/07/2023 </td>
  </tr>
</table>
</body>
</html>

```

*****OUTPUT*****

reg.number	student name	year/semester	date of admission
20AK1A0501	SHALU YADAV	2nd	06/07/2024
20AK1A0502	PARTH VERMA	2nd	07/07/2023

14. Create a web page which divides the page in two equal frames and place the audio and video clips in frame-1 and frame-2 respectively.

FRAME-1	FRAME-2
---------	---------

Procedure:

1. Go to start- >all programs-> accessories->notepad
2. Type the html code
3. Use<frameset> tag to divide the webpage into 2 equal frames by setting cols ="*,*" attribute
4. In the first frame place audio clip by using <frame> tag
5. In the second frame place video clip by using another <frame> tag **Note** : audio & video & file should be in same folder
6. Go to file ->save ->save the file with html.extension
7. Run the html file using Firefox browser

```
<html>
<frameset cols="*,*">
<frame src="waterrunning-neighing.gif">
<frame src="c:\desktop\xyz.jpg">
</frameset>
</html>
```

*****OUTPUT*****



15. create a webpage containing the basic registration form

Procedure:

1. Go to start- >all programs-> accessories->notepad
2. Use the common tags to create a form
3. Go to file →save →save the file with html.extension
4. Run the html file using Firefox browser

```
<!DOCTYPE html>
```

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

```
<head>
```

```
<meta charset="UTF-8">
```

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

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

```
<style>
```

```
body {
```

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

```
    margin: 0;
```

```
    padding: 0;
```

```
    display: flex;
```

```
    justify-content: center;
```

```
    align-items: center;
```

```
    height: 100vh;
```

```
    background-color: aquamarine;
```

```
}
```

```
.main{
```

```
width: 400px;
```

```
border-radius: 12px;
```

```
border-color: black;
```

```
}
```

```
label {  
    display: block;  
    margin-bottom: 5px;  
    color: #555;  
    font-weight: bold;  
}  
  
input[type="text"],  
input[type="email"],  
input[type="password"],  
input[type="date"]  
select {  
    width: 100%;  
    margin-bottom: 15px;  
    padding: 10px;  
    box-sizing: border-box;  
    border: 1px solid #ddd;  
    border-radius: 5px;  
}  
  
button[type="submit"] {  
    padding: 15px;  
    border-radius: 10px;  
    border: none;  
    background-color: brown;  
    color: white;  
    cursor: pointer;  
    width: 100%;  
    font-size: 16px;  
}
```

```
</style>
</head>
<body>
  <div class="main">
    <h1>REGISTRATION FORM</h1>
    <form action="">
      <label for="stdname">student name</label>
      <input type="text" name="stdname"></br>
      <label for="email">Email</label>
      <input type="email" name="email"></br>
      <label for="dob">date of birth</label>
      <input type="date" name="dob"></br>
      <label for="user">username</label>
      <input type="text" name="username"></br>
      <label for="psd">password</label>
      <input type="password" name="password"></br>
      <label for="gender">Gender:</label>
      <select id="gender" name="gender" required>
        <option value="male">
          Male
        </option>
        <option value="female">
          Female
        </option>
      </select>
      <button type="submit">
        submit
      </button>
    </form>
```

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

*****OUTPUT*****

Responsive Registration Form

Email

Password

Re-type Password

First Name Last Name

☐ Male ☐ Female

Select a country ▼

☐ I agree with terms and conditions

☐ I want to receive the newsletter

Register

16. Create a webpage for an application form using html and css

Procedure:

1. Go to start- >all programs-> accessories->notepad
2. Use the common tags to create a form
3. Go to file ->save ->save the file with html.extension
4. Run the html file using Firefox browser

```
<!DOCTYPE html>

<html>

<head>

<title>Document</title>

<style>

body {

background-color: rgb(23, 96, 145);

}

h1 {

display: flex;

justify-content: center;

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

}

.form {

display: flex;

flex-direction: column;

justify-content: center;

align-items: center;

}
```

```
button {  
    background-color: #751cd3;  
    padding: 10px;  
    border-radius: 10px;  
    border: none;  
    color: inherit;  
}  
  
input {  
    padding: 10px;  
    border-radius: 10px;  
    margin: 5px;  
}  
  
</style>  
</head>  
<body>  
    <h1>Application form</h1>  
    <div class="form">  
        <input type="text" placeholder="Name" />  
        <input type="number" placeholder="Age" />  
        <input type="number" placeholder="Phone Number" />  
        <input type="text" placeholder="Email" />  
        <input type="text" placeholder="Address" />  
        <input type="text" placeholder="Enter your answer" />  
        <button>Submit</button>  
    </div>  
</body>  
</html>
```

*******OUTPUT*******

The image shows a web form titled "Application Form" in a bold, dark teal font. The form is contained within a light blue rectangular frame with rounded corners. It features six input fields, each with a light blue background and a thin teal border, stacked vertically. The labels for these fields are "Name", "Age", "Phone Number", "Email", "Address", and "Enter your answer". At the bottom of the form is a dark teal "Submit" button with white text. The entire form is set against a white background.

Application Form

Name

Age

Phone Number

Email

Address

Enter your answer

Submit

17. Create a resume using html and

css.

Html:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Resume</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <div class="resume">
    <div class="header">
      <h1>yash katiyar</h1>
      <p>Software Engineer</p>
      <p>Email: yash@gamil.com | Phone: 0000xxx0000</p>
    </div>
    <div class="section">
      <h2>Summary</h2>
      <p>
        Highly motivated software engineer with 1+ years of experience in web
        development.
        Skilled in HTML, CSS, JavaScript, and Python. Passionate about solving complex
        problems and delivering quality solutions.
      </p>
    </div>
  </div>
```


WEB DESIGN LAB MANUAL

```
<div class="section">
```

```
  <h2>Experience</h2>
```

```
  <h3>Software Engineer, Ericsson </h3>
```

```
  <p>June 2021 - Present</p>
```

```
<ul>
  <li>Developed and maintained web applications using html, css and JS .</li>
  <li>Collaborated with a team to design and implement new features.</li>
  <li>Optimized existing code, improving website performance by 20%.</li>
</ul>
<h3>Junior Developer, ABC Corp</h3>
<p>August 2019 - May 2021</p>
<ul>
  <li>Assisted in building responsive websites using HTML, CSS, and JavaScript.</li>
  <li>Participated in code reviews and testing for various projects.</li>
  <li>Worked closely with designers and clients to ensure project success.</li>
</ul>
</div>
<div class="section">
  <h2>Education</h2>
  <h3>Bachelor of Technology in Computer Science</h3>
  <p>AKTU university | 2015 - 2019</p>
  <h3>Secondary Education </h3>
  <p>Andhra Education Society, ITO Nwe Delhi| 2015 - 2019</p>
</div>
<div class="section">
  <h2>Skills</h2>
  <ul>
    <li>HTML, CSS, JavaScript, React, Node.js</li>
    <li>Python, Django, SQL</li>
    <li>Version Control: Git, GitHub</li>
  </ul>
</div>
</div>
```

```
</body>
```

```
</html>
```

Css:

```
* {
```

```
    margin: 0;
```

```
    padding: 0;
```

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

```
}
```

```
body {
```

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

```
    background-color: #f4f4f4;
```

```
    padding: 20px;
```

```
}
```

```
.resume {
```

```
    max-width: 800px;
```

```
    background-color: white;
```

```
    padding: 20px;
```

```
    margin: auto;
```

```
    border-radius: 8px;
```

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

```
}
```

```
.header {
```

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

```
    border-bottom: 2px solid #ccc;
```

```
    padding-bottom: 15px;
```

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

```
}
```

```
.header h1 {
```

```
    font-size: 2.5em;
```

```
margin-bottom: 10px;  
}
```

```
.header p {  
    font-size: 1.2em;  
    color: gray;  
}
```

```
.section {  
    margin-bottom: 20px;  
}
```

```
.section h2 {  
    font-size: 1.2em;  
    color: darkblue;  
    margin-bottom: 10px;  
    border-bottom: 1px solid #ddd;  
    padding-bottom: 5px;  
}
```

```
.section h3 {  
    font-size: 1.2em;  
    margin-top: 10px;  
    color: darkslategray;  
}
```

```
.section ul {  
    list-style-type: decimal;  
    padding-left: 20px;  
}
```

```
.section ul li {  
    margin-bottom: 5px;  
}
```

WEB DESIGN LAB MANUAL

```
.section p {  
  
    margin: 5px 0;  
  
    color: #555;  
  
}
```

*****OUTPUT*****

Yash Katiyar

Email: yash@email.com
Phone: 0000000000

Summary

Highly motivated software engineer with 1+ years of experience in web development. Skilled in HTML, CSS, JavaScript, and Python. Passionate about solving complex problems and delivering quality solutions.

Experience

Software Engineer, Ericsson

June 2022 - Present

Developed and maintained web applications using HTML, CSS, and JS.
Collaborated with a team to design and implement new features.
Optimized existing code, improving website performance by 20%.

Junior Developer, ABC Corp

August 2019 - May 2021

Assisted in building responsive websites using HTML, CSS, and JavaScript.
Participated in code reviews and testing for quality assurance.
Worked closely with designers and clients to ensure project success.

Education

Bachelor of Technology in Computer Science

AKTU University | 2015 - 2019

Secondary Education

Andhra Education Society, ITIO New Delhi | 2015 - 2019

Skills

HTML, CSS, JavaScript, React, Node.js
Python, Django, SQL
Version Control: Git, GitHub

18 Create a webpage using Classes and IDs in Html

Procedure:

1. Go to start- >all programs-> accessories->notepad
2. Use the common tags to create a webpage
3. Add Classes and Ids to the existing tags
4. Utilize the classes and Ids using css
5. Run the html file using Firefox browser

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

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

```
<style>
```

```
.class1{
```

```
background-color: brown;
```

```
color: beige;
```

```
font-size: 42px;
```

```
}
```

```
#id1{
```

```
background-color:darkblue;
```

```
color:azure;
```

```
font-size: 42px;
```

```
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<div class="class1">
```

```
<p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Expedita fugiat officiis  
eveniet sed minima excepturi optio modi, itaque quis dolor!</p>
```

```
</div>

<div class="class1">

  <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Expedita fugiat officiis
  eveniet sed minima excepturi optio modi, itaque quis dolor!</p>

</div>

<div>

  <p id="id1">Lorem ipsum dolor sit amet consectetur adipisicing elit. Expedita fugiat
  officiis eveniet sed minima excepturi optio modi, itaque quis dolor!</p>

</div>

</body>

</html>
```

*****OUTPUT*****

Lorem ipsum dolor sit amet consectetur adipisicing elit. Expedita fugiat officiis eveniet sed minima excepturi optio modi, itaque quis dolor!

Lorem ipsum dolor sit amet consectetur adipisicing elit. Expedita fugiat officiis eveniet sed minima excepturi optio modi, itaque quis dolor!

Lorem ipsum dolor sit amet consectetur adipisicing elit. Expedita fugiat officiis eveniet sed minima excepturi optio modi, itaque quis dolor!

19 Create a webpage using CSS**Procedure:**

1. Go to start- >all programs-> accessories->notepad
2. Use the common tags to create a webpage
3. Use CSS to decorate the page
4. Run the html file using Firefox browser

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

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

```
<style>
```

```
.pos1{
```

```
background-color: maroon;
```

```
color: white;
```

```
font-size: 42px;
```

```
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<p class="pos1">
```

Lorem ipsum dolor sit amet consectetur adipisicing elit. Delectus aliquid ipsum ducimus esse eum doloremque nemo perspiciatis, tempora velit? Commodi, nobis, molestiae fugiat enim nesciunt soluta expedita optio odio aspernatur ea nisi eaque? Unde quis, nemo corrupti, commodi quam necessitatibus, accusamus saepe consectetur laudantium hic sunt corporis eius vel et. Ratione maiores tenetur blanditiis enim numquam voluptatum dignissimos rerum explicabo suscipit amet sit, est quam fugit hic vel minima, ullam laboriosam molestiae maxime. Voluptates consequuntur commodi eligendi eos! Et, pariatur dolorum? Sed consequatur itaque minima illo soluta, illum quasi inventore temporibus totam culpa. Error sapiente mollitia minus, laudantium vitae illo.

```
</p>
```



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

*****OUTPUT*****

Lorem ipsum dolor sit amet consectetur adipisicing elit. Delectus aliquid ipsum ducimus esse eum doloremque nemo perspiciatis, tempora velit? Commodi, nobis, molestiae fugiat enim nesciunt soluta expedita optio odio aspernatur ea nisi eaque? Unde quis, nemo corrupti, commodi quam necessitatibus, accusamus saepe consectetur laudantium hic sunt corporis eius vel et. Ratione maiores tenetur blanditiis enim numquam voluptatum dignissimos rerum explicabo suscipit amet sit, est quam fugit hic vel minima, ullam laboriosam molestiae maxime. Voluptates consequuntur commodi eligendi eos! Et, pariatur dolorum? Sed consequatur itaque minima illo soluta, illum quasi inventore temporibus totam culpa. Error sapiente mollitia minus, laudantium vitae illo.

20. Write a code for JSS validation in HTML.

Procedure:

1. Open Notepad:

Go to Start → All Programs → Accessories → Notepad.

2. Type the HTML Code:

Create a form in HTML with fields to be validated.

3. Add JavaScript for Validation:

Include JavaScript code within a <script> tag to handle form validation.

4. Save the HTML File:

Go to File → Save → Save the file with an .html extension (e.g., form_validation.html).

5. Run the HTML File:

Open the saved .html file in a web browser to see the form and test the validation.

Code:-

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
  <script>
    function validateForm() {
      var name =
        document.forms["myForm"]["name"].value; var email =
        document.forms["myForm"]["email"].value; var message =
        document.forms["myForm"]["message"].value;

      if (name == "") {
        alert("Name must be filled out"); return false;
```

```

    }
    if (email == "") {
        alert("Email must be filled out"); return false;
    }
    if (message == "") {
        alert("Message must be filled out"); return false;
    }
    return true;
}
</script>
</head>
<body>
    <h1>Contact Form</h1>
    <form name="myForm" action="submit_form.php" onsubmit="return
    validateForm()" method="post">
        <label for="name" >Name:</label><br>
        <input type="text" id="name" name="name" ><br><br>
        <label for="email">Email:</label><br>
        <input type="text" id="email" name="email"><br><br>
        <label for="message">Message:</label><br>
        <textarea id="message" name="message" ></textarea><br><br>
        <input type="submit" value="Submit">
    </form>
</body>
</html>

```

*******output*******

*******OUTPUT*******

Contact Form

Name:

Email:

Message:

Submit