

## 2ES109: Basics of Web Technology

### Practical-2

**AIM: - To study about HTML, TAG & HTML basic tags.**

**A. Discuss the HTML, tag and its types**

#### ➤ HTML

- HTML is the standard markup language for creating Web pages.
- HTML stands for Hyper Text Markup Language
- HTML describes the structure of a Web page
- HTML consists of a series of elements
- HTML elements tell the browser how to display the content
- HTML elements are represented by tags
- HTML tags label pieces of content such as "heading", "paragraph", "table", and so on
- Browsers do not display the HTML tags

## ➤ HTML Tags

- The HTML tag defines elements
- The tag is denoted within the angular brackets.
- The HTML tag represents the root of an HTML document.

## ➤ HTML Tags Type

- HTML in many types of tag like...  
HEAD, BODY, FORM, DIV,  
TITLE etc.
- Also in another tag like...  
<p>, <h>, <br>, <hr> <i> etc.

**B.** Write the steps to create and display an html page.

### ❖STEP-1

Open Notepad or any other text editor.

### ❖STEP-2

Write some HTML code in notepad.

Like..

```
<!DOCTYPE html>
<html>
<head>
<title>Page Title</title>
</head>
<body>
<h1>My First Heading</h1>
<p>My first paragraph.</p>
</body>
</html>
```

**❖STEP-3**

Save the file on your computer with .htm or .html extension.

**❖STEP-4**

View file on any browser.

**C.** Study the following Tags & write a description for i.e. Tag Type, Use, Attributes (Name, Value, and Description), and Example.

**1. <html>**

1. The <html> element is the root element of an HTML page

**2. <head>**

2. The <head> element contains meta information about the HTML page
3. Metadata is data about the HTML document. Metadata is not displayed.
- 4.
5. The following elements can go inside the <head> tag :
6. <title>, <style>, <base>, <link>, <meta>, <meta>, <script>, <noscript>

### 3. **<title>**

7. The **<title>** element specifies a title for the HTML page (which is shown in the browser's title bar or in the page's tab)

### 4. **<body>**

8. The **<body>** element defines the document's body, and is a container for all the visible contents, such as headings, paragraphs, images, hyperlinks, tables, lists, etc.

### 5. **<P>**

- The **<p>** tag defines a paragraph.
- Browsers automatically add a single blank line before and after each **<p>** element.

### 6. **<BR>**

- The **<BR>** element break a line
- The **<BR>** tag inserts a single line break
- The **<BR>** tag is useful for writing addresses or poems.
- The **<BR>** tag is an empty tag which means that it has no end tag.

## 7. <HR>

- The <HR> element is most often displayed as a horizontal rule that is used to separate content in an HTML page.
- Align
- Noshade
- Size
- Width

## 8. Heading <h1> to <h6>

- The <h1> to <h6> tags are used to define HTML headings.
- <h1> defines the most important heading
- <h2> defines the least important heading
- <h6> defines the least important heading.

## 9. Comment tag

- The comment tag is used to insert comments in the source code. Comments are not displayed in the browser.
- Comment tag use is easy to understand.
- You can use comments to explain your code.

## D. Exercise

### 1. Write the HTML code to display the following message on screen.

Code:

```
<html>
<body>
<h1 align="center">WELCOME TO THE GANPAT
UNIVERSITY</h1>
<h1>WELCOME TO THE UVPCE</h1>
<h1 align="right">Malay Thakkar</h1>
</body>
</html>
```

Output:

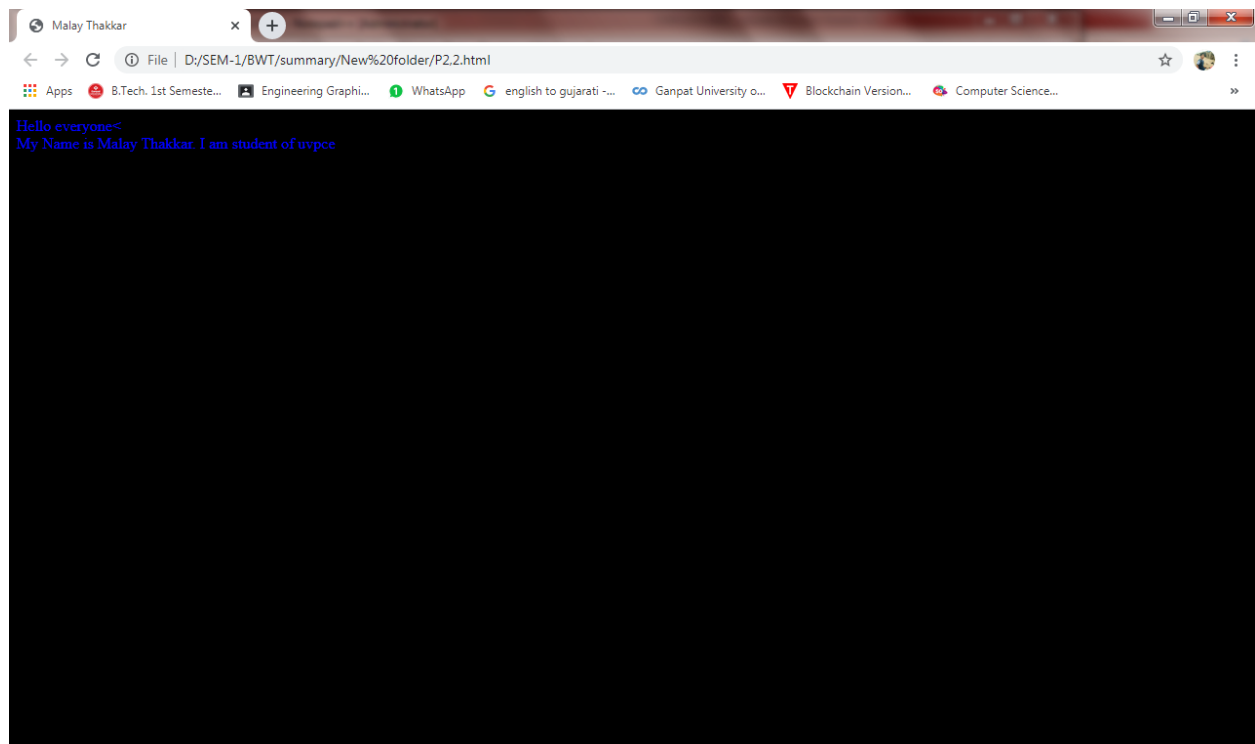


**2. Write HTML code to develop a webpage having Background is any Image or color, Page title is “Your name” and message is “Anything about you” in blue color.**

Code:

```
<html>
<head>
<title>Malay Thakkar</title>
</head>
<body bgcolor="black">
<p style="color:blue">Hello everyone< <br>
My Name is Malay Thakkar. I am student of uvpce</p>
</body>
</html>
```

Output:



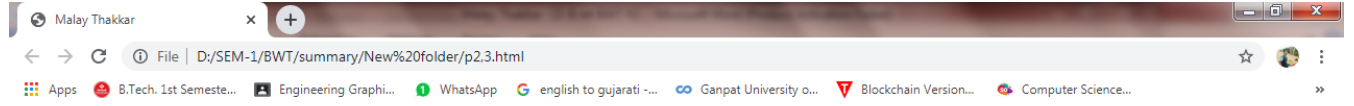
**3. Create an HTML document giving details of your name, age, contact number, address, Enrollment Number, Email Address, Hobbies in proper order using <BR>, <P> and <HR> tag.**

Code:

```
<html>
<head>
<title>Malay Thakkar</title>
</head>
<body>
<h1 align="center">Personal Information</h1>
<hr color="blue" size=5>
<p>Name : Malay Thakkar<br/><br/>
Age : 18 years<br/><br/>
Contact Number : +91 8320135247<br/><br/>
Address : Bhatiya street opp.jain temple,
Vadnagar.<br/><br/>
Enrollment Number : T20012011005<br/><br/>
Email Address :
its.malaythakkar@gmail.com<br/><br/>
Hobby : Listening Music, Reading NEWS papper.</p>
</body>
</html>
```



## Output:



### Personal Information

Name : Malay Thakkar

Age : 18 years

Contact Number : +91 8320135247

Address : Bhatiya street opp.jain temple, Vadnagar.

Enrollment Number : T20012011005

Email Address : its.malaythakkar@gmail.com

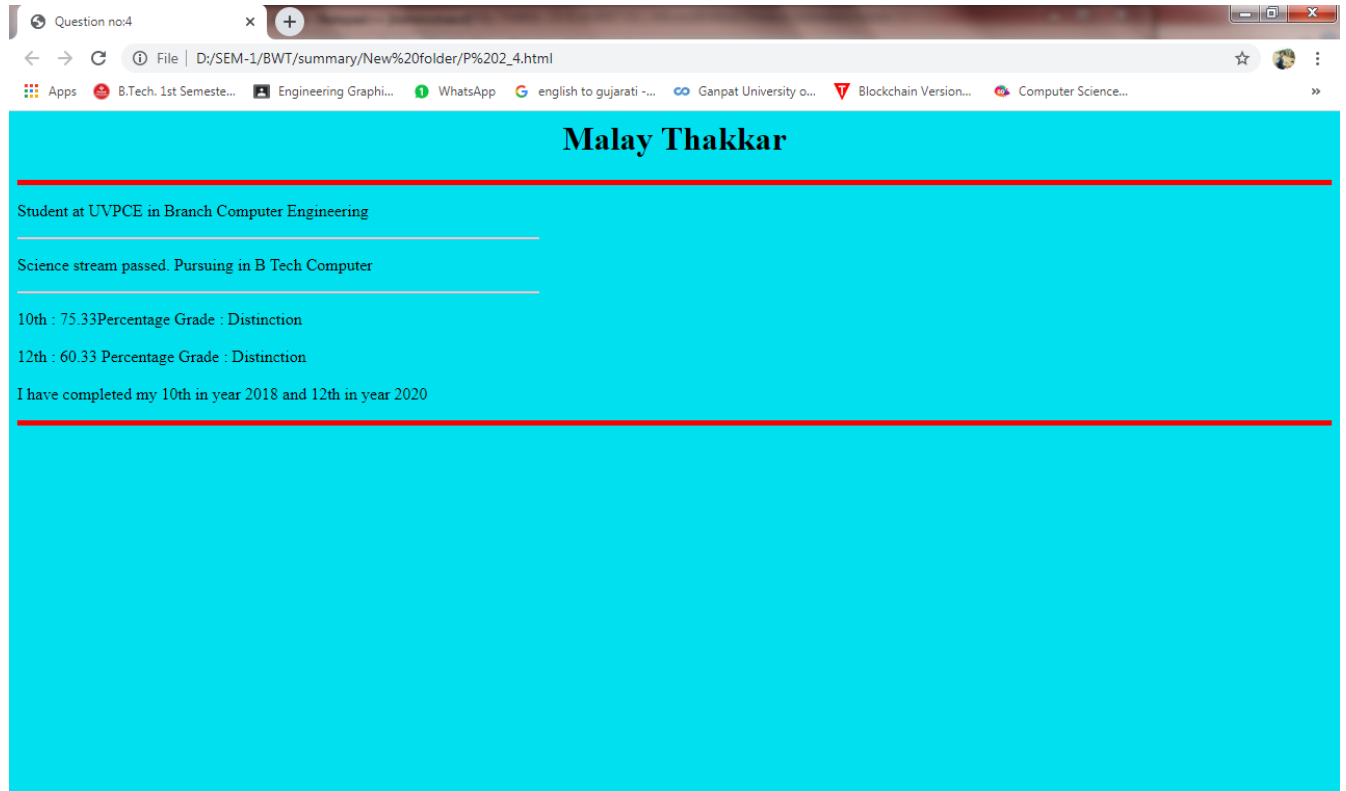
Hobby : Listening Music, Reading NEWS papper.

**4. Write HTML code to develop the webpage which covers all the tags discussed above in practical. Your webpage should look like as following.**

Code:

```
<html>
<head>
<title>Question no:4</title>
</head>
<body bgcolor="lighterGreen">
<h1 align="center">Malay Thakkar </h1>
<hr color="red" size=5>
<p>Student at UVPCE in Branch Computer
Engineering</p>
<hr color="pink" width=500 align="left">
<p>Science stream passed. Pursuing in B Tech
Computer</p>
<hr color="pink" width=500 align="left">
<p>10th : 75.33Percentage Grade :
Distinction<br/><br/>
12th : 60.33 Percentage Grade : Distinction<br/><br/>
I have completed my 10th in year 2018 and 12th in year
2020</p>
<hr color="red" size=5>
</body>
</html>
```

Output:



**5. Write HTML code to develop the following webpage : You can develop a webpage about your favoritesss bird/ animal/flower/sport or person.**

Code:

```
<html>
<head>
<title>Question No:5 </title>
</head>
<body text="lighter green">
<div style="background-image:
url('https://images.unsplash.com/photo-1566650555466-
65cf2aad32c4?ixlib=rb-1.2.1&w=1000&q=80'); background-
size: 100% 150%">
<h1 align="center">My Favourite Bird : peacock</h1>
<hr color="blue" size=3>
<p>peacock is our nantional bird slso My favourite bird
Peacock is one of the most beautiful creatures of the earth,<br>
which is feathered. Peacock is a blue colored bird, <br>
and its feathers are blue, green, and golden. In India,<br>
Sri Lanka, Indonesia, and Africa, peacocks are found.<br>
Peacocks look beautiful in their colorful feathers.</p>
<p>Peacocks are large, colorful pheasants (typically blue and
green)<br>
known for their iridescent tails. These tail feathers, or coverts,
<br>
spread out in a distinctive train that is more than 60 percent of
<br>
the bird's total body length and boast colorful "eye" markings of
<br>
blue, gold, red, and other hues.<br></p>
```

```
<h1 align="left" style="color:orangered;">information
about:Indian peafowl</h1>
<p style="color:black;">Weight : Male: 4 – 6 kg (Adult),
Female: 2.8 – 4 kg<br/>
Lifespan : – 10 to 25 years<br/>
Lenght: Male: 100 – 120 cm (Adult, From bill to tail),<br>
Female: 95 cm (Adult)<br></p>
</div>
</body>
</html>
```

Output:

