**Part A (To be referred by students)**

**SAVE THE FILE AND UPLOAD AS (RollNo\_Name\_Exp1)**

**Topic covered:** Basic Tags of HTML5

**Learning Objective: Learner would be able to**

1. To present an introduction to Web Programming, with an emphasis on the Web Programming languages like HTML.
2. Describe different architectural components used in web development.

**Prerequisites:-**

* PPS

**Outcomes:-**

* Student will know about web browser & how it interprets web pages.
* Students will know about how to execute HTML file
* Students will get idea about basic tags of HTML.
* Students will get idea about how to work with HTML list, table and images.

**Theory:-**

**What is HTML?**

HTML is a language for describing web pages. HTML stands for Hyper Text Markup Language. HTML is a markup language. A markup language is a set of markup tags. The tags describe document content. HTML documents contain HTML tags and plain text. HTML documents are also called web pages.

**HTML Tags**

HTML markup tags are usually called HTML tags. HTML tags are keywords (tag names) surrounded by angle brackets like <html>. HTML tags normally come in pairs like <p> and </p>. The first tag in a pair is the start tag, the second tag is the end tag. The end tag is written like the start tag, with a slash before the tag name. Start and end tags are also called opening tags and closing tags

**HTML Element Syntax**

An HTML element starts with a start tag / opening tag. An HTML element ends with an end tag / closing tag. The element content is everything between the start and the end tag. Some HTML elements have empty content. Empty elements are closed in the start tag. Most HTML elements can have attributes.

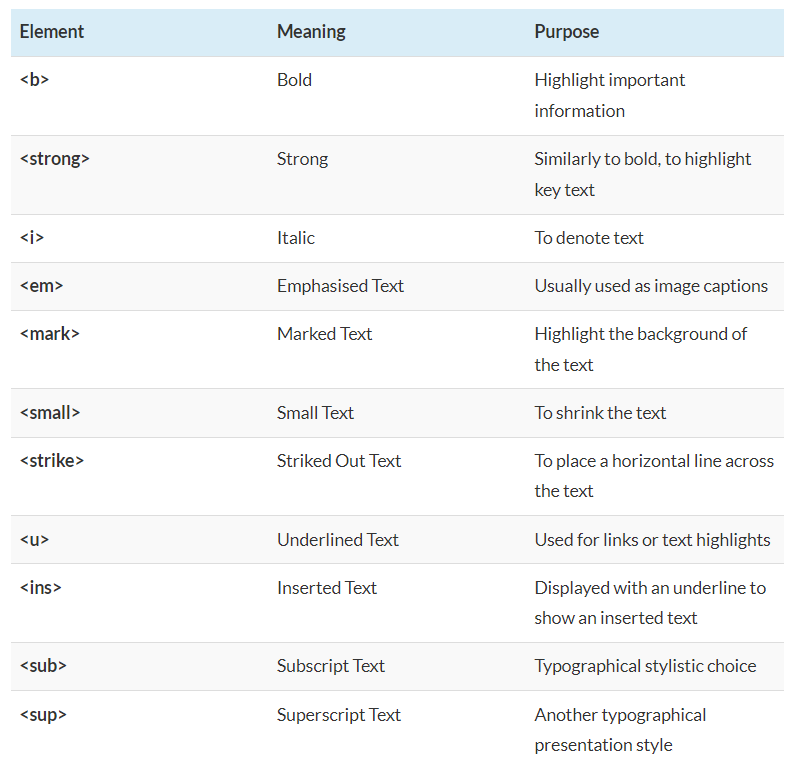
**HTML Attributes**

HTML elements can have attributes. Attributes provide additional information about an element. Attributes are always specified in the start tag. Attributes come in name/value pairs like: name="value".

Its good practice to follow following html format: -

<!DOCTYPE html>  
<html lang="en-us">  
<head>

<meta charset="utf-8">  
  <title> Title</title>  
</head>  
<body>  
  
</body>  
</html>



**HTML Tags:-**

Structure of HTML

<!DOCTYPE html>  
<html lang="en-us">  
<head>

<meta charset="utf-8">  
  <title> Title</title>  
</head>  
<body>

</body>  
</html>

1. Formatting Tags (Heading, Font, Size, Color and all characteristics of font)
2. Lists

Unordered List

An unordered list starts with the **<ul>** tag. Each list item starts with the **<li>** tag.

**Example:**

<ul>  
  <li>Cricket</li>  
  <li>Tennis</li>  
  <li>Hockey</li>  
</ul>

Ordered List

An ordered list starts with the **<ol>** tag. Each list item starts with the **<li>** tag.

**Example:**

<ol>  
  <li>Cricket</li>  
  <li>Tennis</li>  
  <li>Hockey</li>  
</ol>

**Description List**

**<dl>** tag defines the description list

**<dt>** tag defines the term (name)

**<dd>** tag describes each term

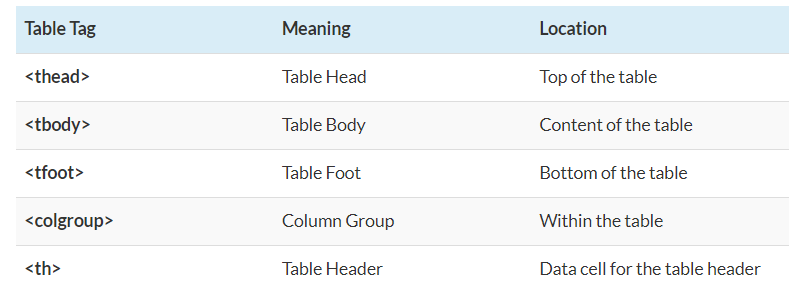
**Example:**

<dl>  
  <dt>Static Web Page</dt>  
  <dd>- Do not change frequently</dd>  
  <dt>Dynamic Web Page</dt>  
  <dd>- Created at run time</dd>  
</dl>

Nesting of list is also possible.

1. Tables

* An HTML table is defined with the **<table>** tag.
* Each table row is defined with the **<tr>** tag.
* A table header is defined with the **<th>** tag.
* By default, table headings are bold and centered.
* A table data/cell is defined with the **<td>** tag.



**Example:**

<table >  
  <tr>  
    <th>Firstname</th>  
    <th>Lastname</th>   
    <th>Age</th>  
  </tr>  
  <tr>  
    <td>Sachin</td>  
    <td>Tendulkar</td>   
    <td>40</td>  
  </tr>  
  <tr>  
    <td>Rahul</td>  
    <td>Dravid</td>   
    <td>42</td>  
  </tr>  
</table>

**Cell that Span Many rows (Rowspan)**

<table style="width:100%">  
  <tr>  
    <th>Name:</th>  
    <td>RAM Rao</td>  
  </tr>  
  <tr>  
    <th rowspan="2">Mobile:</th>  
    <td>123456</td>  
  </tr>  
  <tr>  
    <td>654321</td>  
  </tr>  
</table>

1. Image

* Images help to make web page look attractive.
* We should always use images in jpg, gif or png, as browser supports these format.
* HTML images are defined with the **<img>** tag.

Example

<img src="flower.jpg" alt="W3Schools.com" width="104" height="142">

The compulsory attribute for <img> tag is **src** to specify URL of the image

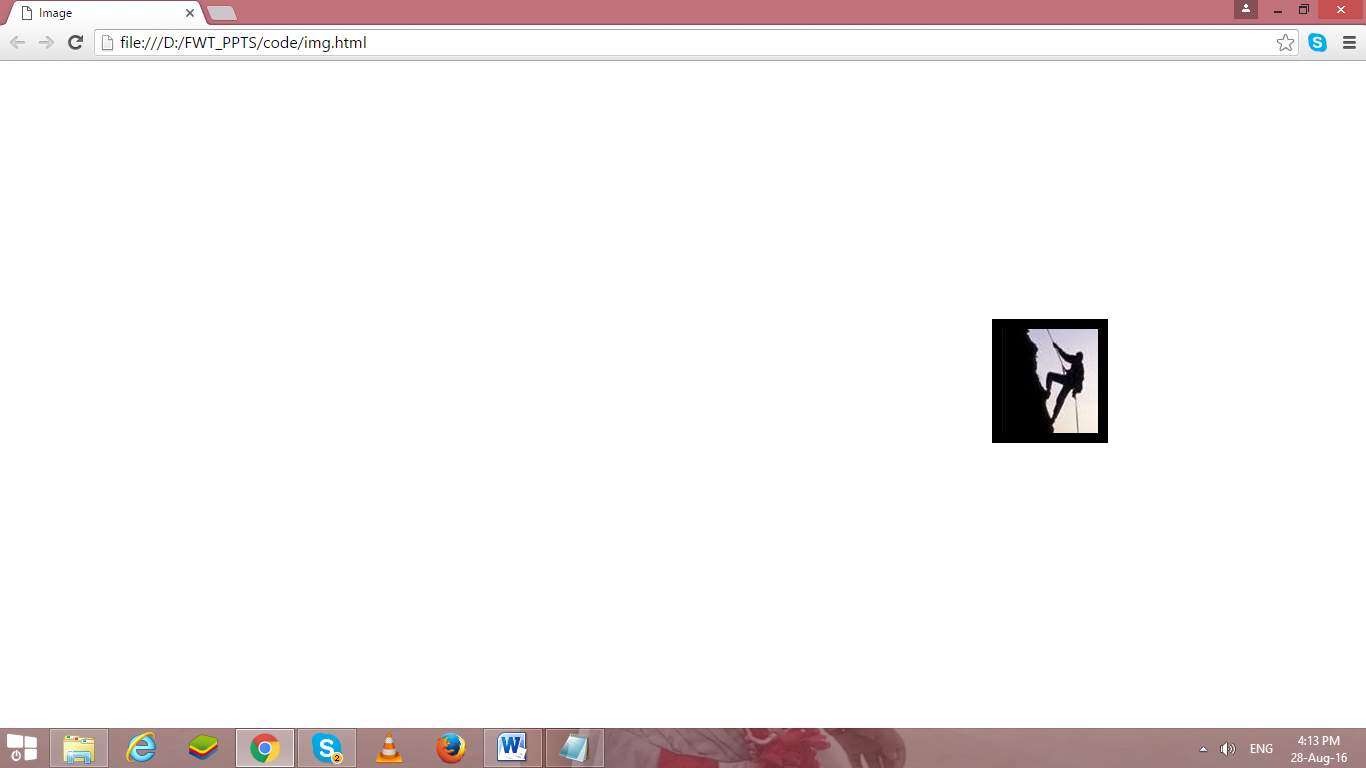
* 1. **alt** stands for Alternate Text – If the browser is not supporting Images it display the value of ALT .
  2. **height** and **width** specify the height and width of the image.

Img also has following attributes

* 1. Hspace – specifies the amount of space to left and right of image.
  2. Vspace – Specifies the amount of space to top and bottom of an image.
  3. Border – Specifies border around an image.
  4. Align – Defines the alignment of image.

**Example:-**

<img src="home.jpg" alt="Hill Climbing" hspace=250 vspace=250 border=10 align="right">



**Problem Statement:**

Create a static web page using HTML that has

1. Home Page (Your CV)

2. Registration page (Without using form)

3. Contact Us page (To display any firm address, dummy mobile, dummy email id etc.)

**Note: - Don’t use any type of CSS in your code…**

**Part B (to be completed by students)**

(Students must submit the soft copy as per the following segments. A soft copy containing Part A and Part B must be uploaded on the platform specified by the Practical Teacher. The filename should be **RollNo\_Name\_Exp1**)

|  |  |
| --- | --- |
| **Roll No.: K041** | **Name: Anish Sudhan Nair** |
| **Prog/Yr/Sem: B.Tech Cybersecurity** | **Batch: K2/A2** |
| **Date of Experiment:07/12/2021** | **Date of Submission: 16/12/2021** |

**Create a static web page using HTML that has**

**1**. Registration page (Without using form)

****

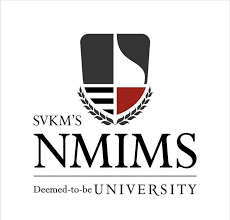
2. Contact Us page (To display any firm address, dummy mobile, dummy email id etc.)

3. Web page of Your CV

**Note: - Don’t use any type of CSS in your code…**

Note: - Do all entries with your personal details in following format…

**Create a webpage to display your Curriculum vitae (CV) as per following format.**

****

**B. TECH. COMPUTER ENGINEERING**

**Name: - Your Name**

**OBJECTIVE:**

Write single line objective

**EDUCATION:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Degree** | **Institute** | **Board/University** | **CGPA/Percentage** | **Year** |
| B. Tech |  |  |  | Currently Pursuing |
| XII |  |  |  | 2018 |
| X |  |  |  | 2016 |

**Note: - if X & XII from same institute then use row span in institute column and If board is same for X & XII use row span in Board/University Column.**

**TECHNICAL SKILLS:**

|  |  |
| --- | --- |
| **Domain** | **Details** |
| Languages |  |
| Web Designing |  |
| Software |  |
| Database |  |
| Analytics |  |
| Operating Systems |  |

**KEY PROJECTS:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Project Title** | **Duration** | **Platform Used** | **Brief Description** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**TECHNICAL –PRESENTATION/WORKSHOPS/CERTIFICATION**

* Program 1
* Program 2

**TECHNICAL –WORK EXPERIENCE / INTERNSHIPS:**

1. Internship 1
2. Internship 2

**HTML Code 1 : -**

**<!DOCTYPE html5>**

**<html>**

**<head>**

**<title>Assignment 1.1-Anish Sudhan Nair</title>**

**<style>**

**table, tr, th, td{border:1px solid black}**

**li{margin-top: 10px}**

**</style>**

**</head>**

**<body>**

**<center>**

**<h1 style="margin-top: 30px">Registration Page</h1>**

**</center>**

**<p>**

**<ul type="none">**

**<li><b>User Name:- </b>anish\_sudhan</li>**

**<li><b>First Name:- </b>Anish Sudhan</li>**

**<li><b>Last Name:- </b>Nair</li>**

**<li><b>Your Mobile:- </b>1234567890</li>**

**<li><b>Your Email:- </b>random.xyz@gmail.com</li>**

**<li><b>Password:- </b>b0pol!23DEgD6</li>**

**<li><b>Password:-</b>b0pol!23DEgD6</li>**

**<li></li>**

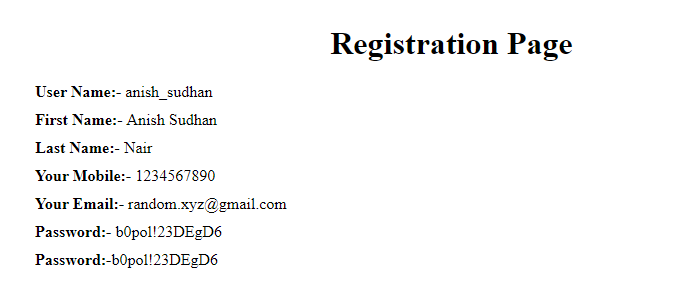
**</ul>**

**</p>**

**</body>**

**</html>**

**Output (only in print screen format) Code -1**



**HTML Code 2: -**

**<!DOCTYPE html5>**

**<html>**

**<head>**

**<title>Assignment 1.2 - Anish Sudhan Nair</title>**

**<style>**

**li{margin-top: 10px;}**

**h2, td{ font-family: 'Courier New', monospace;}**

**h1, th { font-family: 'Brush Script MT', cursive;}**

**td, th { text-align: center;}**

**td{padding:10px}**

**</style>**

**</head>**

**<body>**

**<center>**

**<h1>Mukesh Patel School of Technology Managemnt and Engineering</h1>**

**<h2 style="fomt-family:verdana">Contact Page</h2>**

**<table>**

**<tr>**

**<td><img src="location.png" alt="Address" height=70px width=70px></td>**

**<td><img src="phone-call.png" alt="Phone" height=70px width=70px></td>**

**<td><img src="email.png" alt="Email" height=70px width=70px></td>**

**</tr>**

**<tr>**

**<th>Address</th>**

**<th>Phone</th>**

**<th>Email</th>**

**</tr>**

**<tr>**

**<td><ul style="list-style-type:none">**

**<li>Bhakti Vedant Swami Marg,</li>**

**<li>Near Cooper Hospital, JVPD Scheme,</li>**

**<li>Vile Parle (West), Mumbai.</li>**

**<li>Maharashtra- 400 056, India</li> </ul></td>**

**<td>+91 22 4233 4000</td>**

**<td><ul style="list-style-type:none"><li>enquiry.mpstme@nmims.edu</li><li>admissions.MPSTME@nmims.edu</li><ul></td>**

**</tr>**

**</table>**

**</center>**

**<p>**

**<center>**

**<br>**

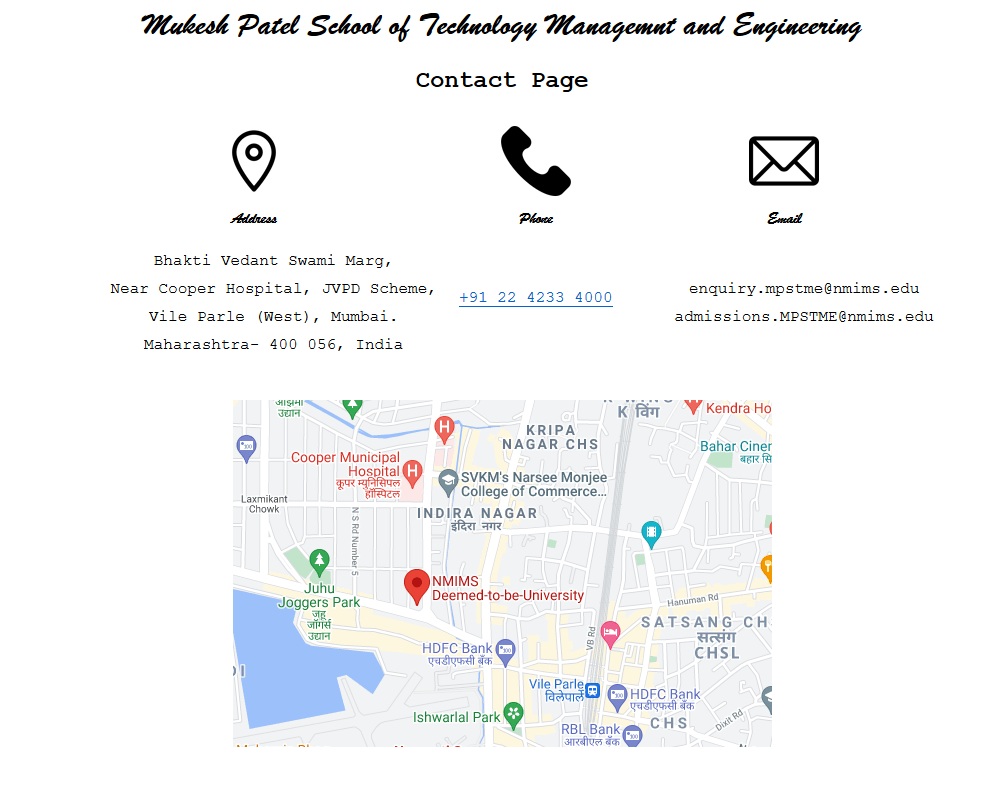
**<img src="map.png">**

**</center></p>**

**</body>**

**</html>**

**Output (only in print screen format) Code -2**



**HTML Code 3 : -**

**<!DOCTYPE html5>**

**<html>**

**<head>**

**<title>Assignment 1.3 - Anish Sudhan Nair</title>**

**<style>\**

**h3{color:gray}**

**table, tr, th, td{border:1px solid black}**

**</style>**

**</head>**

**<body style="padding:30px">**

**<center>**

**<img src="https://upload.wikimedia.org/wikipedia/en/e/ec/Narsee\_Monjee\_Institute\_of\_Management\_Studies\_Logo.png" width="100 px" height="100px">**

**</center>**

**<h2><b>B.TECH. COMPUTER ENGINEERING</b></h2>**

**<h2><b>Name:- Anish Sudhan Nair</b></h2>**

**<h2 style="underline"><u>OBJECTIVE:</u></h2>**

**Well, get a job, maybe.**

**<h2 style="underline"><u>EDUCATION:</u></h2>**

**<table>**

**<tr>**

**<th>Degree</th>**

**<th>Institute</th>**

**<th>Board/University</th>**

**<th>CGPA/Percentage</th>**

**<th>Year</th>**

**</tr>**

**<tr>**

**<td>B.Tech Computer Science and Engineering (Cybersecurity)</td>**

**<td>MPSTME</td>**

**<td>NMIMS</td>**

**<td>3.89</td>**

**<td>Currently Pursuing</td>**

**</tr>**

**<tr>**

**<td>XII</td>**

**<td>Lilavatibai Podar Senior Secondary School</td>**

**<td>ISC</td>**

**<td>96.75%</td>**

**<td>2020</td>**

**</tr>**

**<tr>**

**<td>X</td>**

**<td>City International School</td>**

**<td>ISC</td>**

**<td>96.8%</td>**

**<td>2018</td>**

**</tr>**

**</table>**

**<h2 style="underline"><u>TECHNICAL SKILLS:</u></h2>**

**<table>**

**<tr>**

**<th>Domain</th>**

**<th>Details</th>**

**</tr>**

**<tr>**

**<th>Languages</th>**

**<td>Java, Python 3, SQL, Dart(Flutter), C</td>**

**</tr>**

**<tr>**

**<th>Web Designing</th>**

**<td>HTML5, CSS6, Wix</td>**

**</tr>**

**<tr>**

**<th>Software</th>**

**<td>VMWare Workstation Player, Burpsuite, Wireshark, Figma, Blender, MS Office 2016 (Word, Excel, Powerpoint)</td>**

**</tr>**

**<tr>**

**<th>Database</th>**

**<td>Firebase, MySQL, SQLite 3, Datastax Astra</td>**

**</tr>**

**<tr>**

**<th>Analytics</th>**

**<td>-</td>**

**</tr>**

**<tr>**

**<th>Operating Systems</th>**

**<td>Windows (7,8,11), Linux (Ubuntu, Kali)</td>**

**</tr>**

**</table>**

**<h2 style="underline"><u>KEY PROJECTS:</u></h2>**

**<table>**

**<tr>**

**<th>Project Title</th>**

**<th>Duration</th>**

**<th>Platform Used</th>**

**<th>Brief Description</th>**

**<th>Year</th>**

**</tr>**

**<tr>**

**<td>Android Encryption App</td>**

**<td>1 week</td>**

**<td>Android Studio, Firebase</td>**

**<td>An android app that encrypts plain text provided by the user using a key they provide for ceaser cipher</td>**

**<td>2021</td>**

**</tr>**

**<tr>**

**<td>Delego</td>**

**<td>1.5 years</td>**

**<td>Android Studio, Firebase, Github</td>**

**<td>A multi-platform app to be used during MUN conferences to facilitate conduction of the same</td>**

**<td>2020-21</td>**

**</tr>**

**</table>**

**<h2 style="underline"><u>TECHNICAL-PRESENTATION/WORKSHOPS/CERTIFICATION</u></h2>**

**<ul>**

**<li>IET Python for Data Science Workshop, 2020</li>**

**<li>ISME Management Bootcamp, 2019</li>**

**</ul>**

**<h2 style="underline"><u>TECHNICAL-WORK EXPERIENCE/INTERNSHIPS</u></h2>**

**<ol>**

**<li>Finbits India</li>**

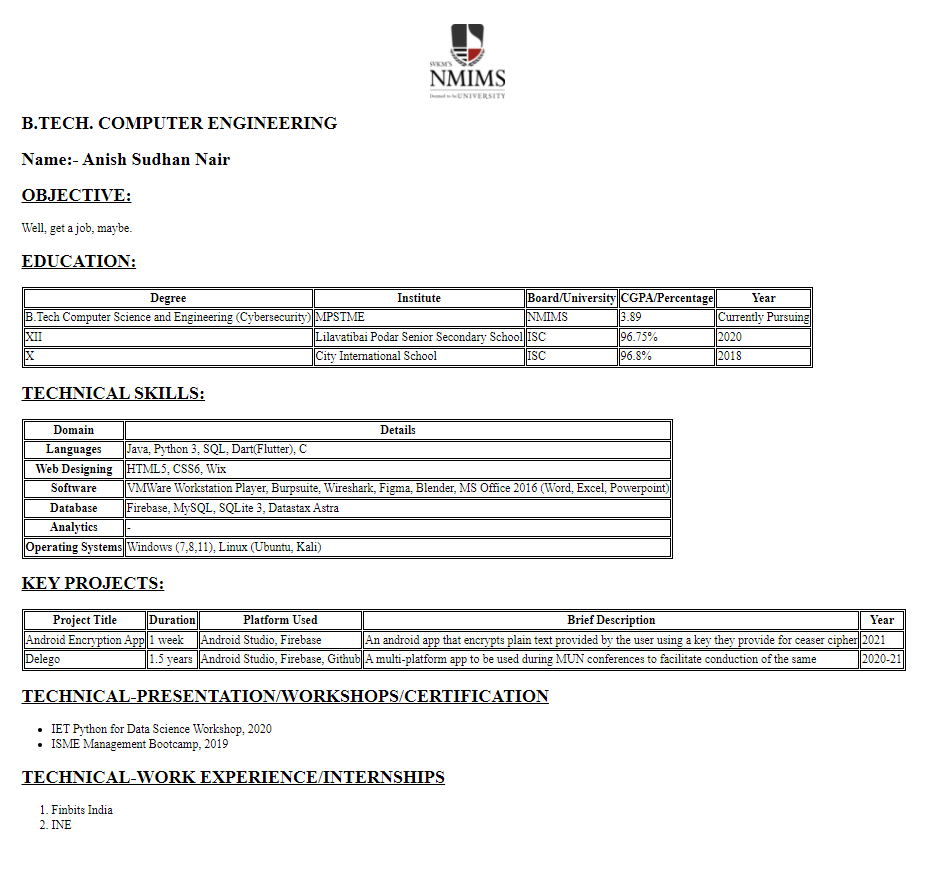
**<li>INE</li>**

**</ol>**

**</body>**

**</html>**

**Output (only in print screen format) Code -2**

****

**Observation and Learning: -**

**The experiment introduces us to html tags which provides the structural aspect of a web page. This experiment was instrumental in opening our eyes to html tags of various kinds. We learnt about anchor, image, lists, align, font and colour styling tags**

**Conclusion:**

**This experiment introduces us to HTML tags and gets us familiarized with the same.**