<u>**Subject:**</u> **20CS2036L – Web Technology Lab**

<u>**Lab Exercise:**</u> **1. Design a webpage using HTML (Duration: 1 hour)**

Create a HTML webpage for your Personal Profile that conforms to HTML5 standards and has the following elements: doctype, html, meta (in the revised html5 format), title, head, body, div, p, headings, image, anchor, table, list, html comment

1. Your site is very simple. Personalize the content.

2. It consists of a page heading and sections. Each section contains a sub heading and some text.

3. Header section: Heading

4. Section 1: table with one row and two columns, border not visible. Left column: user details, Right column: Photo

5. Section 2: dummy text if needed + all types of hyperlinks [external link with target, internal link, email link, phone link, download link and clickable image].

6. Section 3: text formatting [<div>, <p>]

7. Section 4: dummy text if needed + table in the given format to display information in rows and columns. [use caption, thead, tbody, tfoot, rowspan and colspan].

8. Section 5: dummy text + definition list, ordered list, unordered list, and nested list.

9. Nav section: hyperlinks with bookmark [navigation within a page].

10. You are NOT allowed to use <br> tag and any CSS.

11. Appropriate use of HTML comments.

12. Set a background color and text color as per your wish, align the content in the web page [use style attribute].

13. All HTML pages must pass the official HTML5 specifications via https://validator.w3.org/

14. Publish your website live on web using any free web hosting services (000webhost).

15. Use the mockup illustration page given below.

Description:

Hypertext Markup Language (HTML) is the standard markup language for documents designed to be displayed in a web browser.

Working with Tables

The HTML tables are created using the <table> tag in which the <tr> tag is used to create table rows and <td> tag is used to create data cells. The elements under <td> are regular and left aligned by default. colspan attribute used to merge two or more columns into a single column. Similar way rowspan is used to merge two or more rows. The caption tag will serve as a title or explanation for the table and it shows up at the top of the table. You can use one table inside another table. Not only tables you can use almost all the tags inside table data tag <td>.

```
<table border = "1">
      <tr>
        <td>Row 1, Column 1</td>
        <td>Row 1, Column 2</td>
      </tr>
      <tr>
        <td>Row 2, Column 1</td>
        <td>Row 2, Column 2</td>
      </tr>
</table>
```

Working with list

HTML offers web authors three ways for specifying lists of information. Lists may contain −

- − An unordered list. This will list items using plain bullets.
- − An ordered list. This will use different schemes of numbers to list your items.
- <dl> − A definition list. This arranges your items in the same way as they are arranged in a dictionary.

Type attribute for <ul> tag to specify the type of bullet you like. By default, it is a disc.

```
<ul>
    <li>Beetroot</li>
    <li>Ginger</li>
    <li>Potato</li>
    <li>Radish</li>
</ul>
```

Working with Text

- <abbr> tag defines an abbreviation or an acronym.
- <blockquote> tag specifies a section that is quoted from another source.
- <cite> tag defines the title of a work (e.g. a book, a song, etc.).
- <code> tag is a phrase tag. It defines a piece of computer code.
- <em> tag is a phrase tag. It renders as emphasized text.
- <h1> to <h6> tags are used to define HTML headings.
- <mark> tag defines marked text.
- <pre> tag defines preformatted text.
- <span> tag is used to group inline-elements in a document.
- <sub> tag defines subscript text.
- <sup> tag to define superscripted text
- <p> element defines a paragraph

HTML Entities

Some characters are reserved in HTML. Character entities are used to display reserved characters in HTML. To display a less than sign (<) we must write: <

Working with links

HTML links are hyperlinks. It links another document. The target attribute specifies where to open the linked document.

The target attribute can have one of the following values:

- _blank - Opens the linked document in a new window or tab
- _self - Opens the linked document in the same window/tab as it was clicked (this is default)
- _parent - Opens the linked document in the parent frame
- _top - Opens the linked document in the full body of the window

```
<body>
    <p>Click any of the following links</p>
    <a href = "/html/index.htm" target = "_blank">Opens in New</a> |
    <a href = "/html/index.htm" target = "_self">Opens in Self</a> |
    <a href = "/html/index.htm" target = "_parent">Opens in Parent</a> |
    <a href = "/html/index.htm" target = "_top">Opens in Body</a>
</body>
```

Bookmark

HTML bookmarks are used to allow readers to jump to specific parts of a Web page. Bookmarks can be useful if your webpage is very long. To make a bookmark, you must first create the bookmark, and then add a link to it.

Image

Images are very important to beautify as well as to depict many complex concepts in simple way on your web page. Insert any image in your web page by using <img> tag. src attribute specify the location of the image file. Image name is always case sensitive. The alt attribute is a mandatory attribute which specifies an alternate text for an image, if the image cannot be displayed. You can set image width and height based on your requirement using width and height attributes.

```
<body>
    <p>Simple Image Insert</p>
    <img src = "/html/images/test.png" alt = "Test Image" />
</body>
```

Here is the mockup illustration of the site. Your final result should look very close to this mockup.

MY RESUME PAGE

Biju Prakash
12/2, No.4
Ashok Nager
Chennai – 600015
Ph: 982723923
Email : bijuprakash@gmail.com

Visit My Website   My College   Email Me   Call Me   **facebook**   **Linked in**   **Instagram**

Download

Career Objective

A Career Objective or a Resume Objective is essentially a heading statement that describes your professional goals in two to three sentences. Employers looking to hire an employee for a position tend to seek candidates that are driven enough to understand what they want.

Academic Profile

Educational Details				
Education	School / College	Board / University	Percentage of Marks	Year of Passing
B.Tech				
HSC				
SSLC				

Technical Skills

1. Data Structures
2. Computer Networks
3. Web Technology
4. Python Programming
5. Java Programming

Advanced Technology Skills

o Data Science
o Data Analytics

Internship Completed

Infosys

Write about the internship

Microsoft

Write about the internship

CISCO

Write about the internship

Oracle

Write about the internship

Course List

- DSA
  - Array
  - Linked List
  - stack
  - Queue
- Web Technologies
  - HTML
  - CSS
  - JavaScript
- Aptitude
- Gate
- Placement

PHOTO GALLAERY

Career Objective| Technical Skills| Education| Advanced Technology Skills| Internships

Try this:

This is thead with colspan		
Title 1	**Title 2**	**Title 3**
Cell 1 Cell 2 Cell 3	Cell 2	Cell 3
Cell 4	Cell 5	
Cell 6		
This is tfoot with colspan		

`