St. Francis Institute of Technology

Mount Poinsur, S.V.P. Road, Borivali (W), Mumbai-103

**Class: TE IT A & B Academic Year: 2022-23**

**Experiment – 1**

**Designing of Personal Profile using HTML5**

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**1. Aim:** To design a personal profile using HTML5

**2. Objective:** After performing the experiment, the students will be able to understand and implement the basic concepts of HTML5 including –

* Use of various Attributes and Formatting tags
* Use of Hyperlink
* Insertion of Images, Tables, List, Frames, Forms and Multimedia

**3. Lab objective mapped:** Students will be able to *identify* and *apply* the appropriate HTML tags to develop a webpage. (PO3, PO5, PSO3, PSO4)

**4. Prerequisite:** HTML5

**5. Requirements:** The following are the requirements **–**

* PC/Laptop
* Visual Studio Code
* Browser

**6. Pre-Experiment Theory:**

HTML is the standard markup language for creating Web pages. It describes the structure of a Web page. It is platform independent and hence works on all operating OS

*Structure of an HTML document -*

* Each HTML document begins with DOCTYPE - It defines that this document is an HTML5 document

*<!DOCTYPE html>*

* html section, which has the actual content - It is the root element of an HTML page. Entire HTML code has to be written between these two tags

*<html> … </html>*

* Head section which contains the meta/header information of the HTML page like Title, Description, Keywords etc.

*<head>……. </head>*

* Title section specifies a title for the HTML page (which is shown in the browser's title bar or in the page's tab)

*<title> …….</title>*

* Body section defines the document's body, and is a container for all the visible contents, such as headings, paragraphs, images, hyperlinks, tables, lists, etc.

*<body>……..</body>*

*Tags and Elements*

Contents to be structured on the web are defined by tags - Tags are written in between <> (angular brackets). Syntax of a tag is:

*<tag-name> content </tag-name>*

Most of the tags will have a start and an end. Some tags do not require an end tag. eg. <br>, <hr>

Each line is an element. Some elements don't require any content. These are called as Empty Elements. We can also have Nested Elements

*Commonly used Tags*

* HTML Headings - Defined with *<h1>* to *<h6>* tags
  + <h1> defines the most important heading. <h6> defines the least important heading
  + Each HTML heading has a default size but we can change it

*<h1>Heading 1</h1>*  
*<h2>Heading 2</h2>*  
*<h3>Heading 3</h3>*  
*<h4>Heading 4</h4>*  
*<h5>Heading 5</h5>*  
*<h6>Heading 6</h6>*

* HTML Paragraphs - Defined with *<p>* tag
  + A paragraph always starts on a new line, and is usually a block of text

*<p>My name is Sanjay.</p>*

*<p>I work in SFIT.</p>*

* Horizontal Rule Tag - Defined by *<hr>* tag
  + Provides a thematic break in an HTML page
  + Used to separate content (or define a change) in an HTML page
  + Empty tag and does not require an end tag

*<p>*

*Twinkle twinkle little star.*

*How I wonder what you are!*

*<br>*

*Up above the world so high.*

*Like a diamond in the sky.*

*</p>*

* Break Tag - Defined with *<br>* tag
  + Provides a line break
  + Empty tag and does not require an end tag

*<p>*

*Twinkle twinkle little star.*

*How I wonder what you are!*

*<br>*

*Up above the world so high.*

*Like a diamond in the sky.*

*</p>*

*Frames*

* An HTML iframe is used to display a web page within a web page. The HTML *<iframe>* tag specifies an inline frame.
* An inline frame is used to embed another document within the current HTML document.

*<iframe src="url" title="description"></iframe>*

* It is a good practice to always include a title attribute for the *<iframe>.* This is used by screen readers to read out what the content of the iframe is.
* Use the height and width attributes to specify the size of the iframe.
* The height and width are specified in pixels by default:

*<iframe src="demo\_iframe.htm" height="200" width="300" title="Iframe Example"></iframe>*

**7. Laboratory Exercise**

**A. Procedure-**

**Write HTML code on Visual Studio Code**

Launch the application

Select File, New to write to a new file

Save the file as .html

To view the output, right-click on the file and select *Open With* option. Then choose any web browser that is available.

Check output

**B. Program Code**

Write and execute an HTML code to design your personal profile page. The profile page should include (This is suggestive – You can use your creativity) -

* Your photograph (image)
* About you (Add an inspirational quote here)
* Personal details including name, address, mobile number, email id (link), LinkedIn profile (link)
* Academic qualifications (Table)
* Skills - Technical and non-technical – (List)
* Internships
* Projects – (video)
* Certifications (Images)
* Hobbies
* Social Responsibility activities
* Achievements
* References

The following tags are expected to be used -

* Attributes like headings, paragraphs, break, horizontal rule, preformatted text, address, cite
* Formatting tags like title, style tags – background, text, border color, fonts, text size and alignment, superscript, subscript etc.
* Hyperlink
* Images
* Tables,
* List
* Audio clip
* Video clip

**8. Post Experimental Exercise-**

Google Form Quiz Link -

**9. Results/Observations/Program output:**

Present the program code and output

**10. Conclusion:**

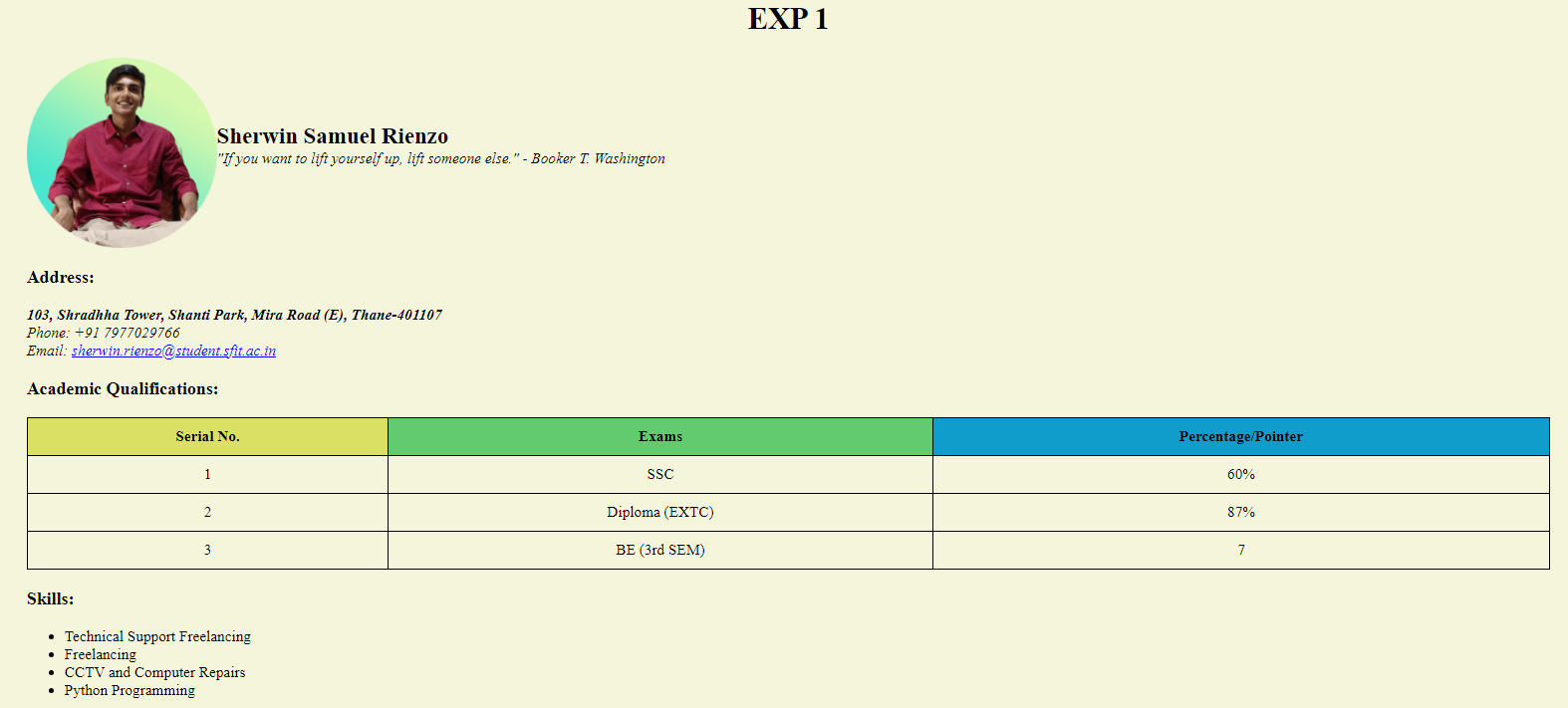
Write what was performed in the experiment

Write which all features of HTML you used to perform the experiment

**11. References:**

* HTML 5 Black Book (Covers CSS3, JavaScript, XML, XHTML, AJAX, PHP, jQuery) 2Ed., DT Editorial Services
* <https://www.w3schools.com/html/default.asp>
* <https://spoken-tutorial.org/tutorial-search/?search_foss=HTML&search_language=>
* [https://www.youtube.com/watch?v=qz0aGYrrlhU](https://www.tutorialspoint.com/)
* <https://www.tutorialspoint.com/>

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| --- |
| <!DOCTYPE html>  <html>  <head>  <meta charset="UTF-8">  <title>My Resume</title>  </head>    <body style="background-color: beige;">  <div>  <h1 style="text-align: center;">EXP 1</h1>  </div>    <div style="margin: 20px;">  <div style="display: flex; align-items: center; margin-bottom: 20px;">  <img src="PROFILE.png" alt="Profile picture" style="height: 200px;">  <div>  <h2 style="margin: 0;">Sherwin Samuel Rienzo</h2>  <p style="margin-top: 0; font-style: italic;">"If you want to lift yourself up, lift someone else." - Booker T. Washington</p>  </div>  </div>    <div style="margin-bottom: 20px;">  <h3>Address:</h3>  <address>  <b>103, Shradhha Tower, Shanti Park, Mira Road (E), Thane-401107</b><br>  Phone: +91 7977029766<br>  Email: <a href="mailto:sherwin.rienzo@student.sfit.ac.in">sherwin.rienzo@student.sfit.ac.in</a>  </address>  </div>    <div style="margin-bottom: 20px;">  <h3>Academic Qualifications:</h3>  <table style="width: 100%; border-collapse: collapse;">  <thead>  <tr>  <th style="padding: 10px; text-align: center; border: 1px solid black; background-color: #dae063;">Serial No.</th>  <th style="padding: 10px; text-align: center; border: 1px solid black; background-color: rgb(98, 203, 112);">Exams</th>  <th style="padding: 10px; text-align: center; border: 1px solid black; background-color: #109dcc;">Percentage/Pointer</th>  </tr>  </thead>  <tbody>  <tr>  <td style="padding: 10px; text-align: center; border: 1px solid black;">1</td>  <td style="padding: 10px; text-align: center; border: 1px solid black;">SSC</td>  <td style="padding: 10px; text-align: center; border: 1px solid black;">60%</td>  </tr>  <tr>  <td style="padding: 10px; text-align: center; border: 1px solid black;">2</td>  <td style="padding: 10px; text-align: center; border: 1px solid black;">Diploma (EXTC)</td>  <td style="padding: 10px; text-align: center; border: 1px solid black;">87%</td>  </tr>  <tr>  <td style="padding: 10px; text-align: center; border: 1px solid black;">3</td>  <td style="padding: 10px; text-align: center; border: 1px solid black;">BE (3rd SEM)</td>  <td style="padding: 10px; text-align: center; border: 1px solid black;">7</td>  </tr>  </tbody>  </table>  </div>    <div style="margin-bottom: 20px;">  <h3>Skills:</h3>  <ul>  <li>Technical Support Freelancing</li>  <li>Freelancing</li>  <li>CCTV and Computer Repairs</li>  <li>Python Programming</li>  </ul>  </div>    <div style="margin-bottom: 20px;">  <h3>Hobbies:</h3>  <ol>  <li>Reading</li>  <li>Cycling</li>  <li>Cooking</li>  <li>Weightlifting</li>  </ol>  </div>    <div style="margin-bottom: 20px;">  <h3>Project:</h3>  <iframe width="400" height="300" src="https://www.youtube.com/embed/fKJVxItLiUw" title="Complete MERN Stack Developer Roadmap For Beginners (2023)" frameborder="0" allow="accelerometer; autoplay; clipboard-write; encrypted-media; gyroscope; picture-in-picture; web-share" allowfullscreen></iframe>  </div>    <div style="margin-bottom: 20px;">  <h3>Certifications:</h3>  <ul>  <li><img src="C:\Users\Student\Desktop\SHERWIN\CF1.jpg" alt="Certification 1" height="200"width="200"></li>  <li><img src="C:\Users\Student\Desktop\SHERWIN\CF2.jpg" alt="Certification 2"height="200"width="200"></li>  </ul>  </div>    <div style="margin-bottom: 20px;">  <h3>Achievements:</h3>  <ol>  <li>First place in an inter-college Hackathon competition</li>  <li>Published research paper in college</li>  </ol>  </div>  </div>  <h2>Reference</h2>  <p>MuscleWiki LLC. "Muscle Wiki." <em>MuscleWiki</em>, <a href="https://musclewiki.com/">https://musclewiki.com/</a>.</p>      <div style="background-color: #ddd; padding: 20px; text-align: center;">  <p>&copy; 2023 Sherwin Samuel Rienzo. All rights reserved.</p>  </div>  </body>  </html> |



A white rectangular object with a black border

Description automatically generated with medium confidence

A screenshot of a computer

Description automatically generated