POLITEKNIK SULTAN MIZAN ZAINAL ABIDIN

Web Design Technology (DFT40163)
Topic 2 : HTML

HTML5 Lab Work: Creating a Student Profile

Lab Title: Creating a Student Profile Webpage Using HTML5
Objective: To create a basic student profile webpage by applying various HTML5 tags and techniques as per the given criteria.
Duration: 3 Hours

Instructions

1. **Set Up the Environment**

   o   Open a text editor (e.g., Notepad++, Sublime Text).

   o   Save the file as student_profile.html.

2. **Follow the HTML5 Structure**

   o   Start with the basic structure of an HTML5 document.

   o   Use the <head> section for the title and the <body> section for the content.

Lab Activities and Criteria

Activity 1: Configure the <body> Tag

- Set the background color or image for the webpage.

- Define a text color for better visibility.

Activity 2: Create Headings (H1–H6)

- Use all six heading tags to structure the webpage.

  <h1>Student Profile</h1>

  <h2>Personal Information</h2>

  <h3>Contact Details</h3>

  <h4>Education</h4>

  <h5>Skills</h5>

  <h6>Additional Notes</h6>

Activity 3: Add a Scrolling Marquee

- Create a marquee with a background and customized text color.

Activity 4: Apply Text Formatting and Attributes

- Demonstrate various text formatting options and attributes.

Activity 5: Insert Horizontal Lines

- Divide sections using horizontal lines with width, alignment, and size.

Activity 6: Add Internal Navigation

- Use the <a> tag to navigate between sections of the same page.

Activity 7: Add External Navigation

- Link to other HTML pages or external websites.

Activity 8: Save and Test

- Save the file and open it in a web browser.
- Verify that all elements (background, headings, marquee, text formatting, links, etc.) are displayed and functioning correctly.

Expected Output

1. A student profile webpage with:

   o Light blue background or a custom image.

   o Structured sections using headings (H1–H6).

   o Scrolling marquee text for emphasis.

   o Properly formatted text with bold, italic, underline, superscript, and subscript.

   o Divisions using horizontal lines with custom width and alignment.

2. Navigation functionality:

   o Internal navigation to jump between sections.

   o External navigation to link to other pages or websites.

Submission Requirements

- Submit the student_profile.html file.

- Include any background image (background.jpg) used in the project.

- Ensure all links and navigation are functional before submission.

Evaluation Criteria

Criteria	Marks
Correct use of <body> tag settings	10
Proper use of headings (H1–H6)	10
Implementation of marquee text	10
Text formatting and attributes	10
Horizontal line divisions	10
Internal navigation using <a> tags	10
External navigation using <a> tags	10
Overall design and functionality	30

Total Marks: 100