

# Lab 1:

## HTML5 Basics

**Objective:** Create a basic personal portfolio webpage using HTML5 and integrate Git for version control. This lab will guide you through the process of structuring the HTML document and using Git to track changes.

### Instructions:

Submission:

- Save your HTML file with an appropriate name: **index.html**
- Share the GitLab repository URL with the committed code for review.

1. DOCTYPE and HTML Tag:

- Start your HTML document with the appropriate DOCTYPE declaration.
- Add the <html> tag and specify the language attribute as "en".

2. Head:

- Inside the <head>, include the necessary meta tags for **character set** and **viewport**.
- Set a title for your portfolio page.

3. Navigation Bar:

- Create a <nav> element inside the <header>.
- Inside the navigation, add an unordered list (<ul>) with list items (<li>).
- Each list item should contain an anchor (<a>) with an href attribute pointing to the respective section IDs.

4. Introduction:

- Create a <section> with an ID of "introduction".
- Add an <h1> heading with your name.
- Include a <p> paragraph with a brief introduction about yourself.

5. Skills:

- Create another <section> with an ID of "skills".
- Add an <h2> heading for the skills section.
- Use a <table> element to create a table. Inside the table, use <tr> for each row and <td> for each cell to represent a skill.
- Include at least three skills in the table.

6. Projects:

- Create a <section> with an ID of "projects".
- Add an <h2> heading for the projects section.
- Include at least two project entries using the <article> element.
- Inside each <article>, include an <h3> for the project title and a <p> for the project description.

7. Education:

- Create a <section> with an ID of "Education".
- Add an <h2> heading.
- Add your diplomas

8. Contact Information:

- Create another <section> with an ID of "contact".
- Add an <h2> heading for the contact section.
- Include a <form> element with appropriate attributes (e.g., action and method).
- Inside the form, add input fields for Name, Email, and Message using <input> and <textarea> elements.
- Include a submit button (<button>) inside the form.

9. Footer:

- Add a <footer> section.
- Inside the footer, include a <p> with a copyright notice.

## **Git Integration:**

10. Initialize Git Repository:

- Open a terminal in the directory where your HTML file is located.
- Run the command: `git init` to initialize a new Git repository.

11. Create a Repository on GitLab:

- Go to [GitLab](<https://gitlab.com/>) and create a new project/repository.
- Follow the instructions to create a new repository.