

# CMPS 350 Web Development Fundamentals

## Lab 1 - HTML Basic Tags, Tables and Semantic Elements

### Objective

Learn and practice how to write:

1. Simple HTML page using basic HTML tags such as <h1> to <h6>, <p>, <br>, and <!-- -->
2. HTML Tables to arrange tubular data such as text, images, and links into rows and columns.
3. HTML Semantic Elements. <header> <footer> <main> <article> <aside> <details> <figcaption> <figure>

### Overview

This Lab has two parts.

- **In Part A**, you will practice the basic HTML tags using W3School.
- **In PART B**, you will create a simple Web page that shows your journey at the college.

As you make progress push your work to your GitHub repository

### Preparation

1. If not done already,
  - a. Visit <http://github.com> and create an account. Your GitHub username must be your *firstname-QuUsername* (e.g., samir-sa2109210)
  - b. Download and Install GitHub Desktop application <https://desktop.github.com>
  - c. Download and Install VS Code <https://code.visualstudio.com/>
  - d. Use the link under posted on BB under your section to get your private repo [You should use this link only once]
  - e. Visit <https://github.com/orgs/cmeps350s2023> and clone your private repository (named **LabNo-YourFirstname-QuUsername**)
2. Save the files produced in this Lab under the **Lab1-HTML** folder
3. As you make progress, push your work to your cmeps350s2023 GitHub repository.

### Part A - Basic HTML Tags -Warmup activities

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1. Create an html file and name it `index.html` and type the following code.

```
<html>
  <head>
    <Title>The First Page</title>
  </head>
  <body>
    This is my first html program!
  </body>
</html>
```

2. Open the page on the browser.
3. Open the <https://www.w3schools.com/html/> explore and try yourself basic HTML tags: Heading [h1 to h6], Paragraph , Link and Anchors, Quotations and Citations, List [type="I" "a", "A", "i"], Semantic Tags [header, nav, main, section, article, aside, footer], Tables, Image.

## PARTB - My College Journey

In this exercise, you will create a simple web page that documents your college journey. You can use the posted images or use your own. The page should include:

1. Sections for your major, campus involvement, internship experience, study abroad, and future plans.
2. Navigation menu, header, main content area, aside section for resources, and a footer.
3. Various elements such as headings, paragraphs, lists, images, figures, and tables to organize and present the content.
4. Hyperlinks to allow the user to navigate between sections.



### Welcome to Zahra Hassen's College Journey at Qatar University

- [My Major](#)
- [Campus Involvement](#)
- [Internship Experience](#)
- [Study Abroad](#)
- [Future Plans](#)

#### My Major



I am currently pursuing a degree in Computer Science at Qatar University. I chose this major because I have always been fascinated by technology and the potential it has to solve problems and make a positive impact on the world.



Fig 1. College of Engineering building at Qatar University

## Campus Involvement

I am actively involved in a number of clubs and organizations at Qatar University. Some of the clubs I am a member of include the Computer Science Club, the Robotics Club, and the Gaming Club.

- I. Computer Science Club
- II. Robotics Club
- III. Gaming Club

## Internship Experience

I have had the opportunity to gain valuable work experience through a number of internships while in college at Qatar University. Some of the internships I have had include:

Summary of My internships		
Internship	Company	Duration
Software Developer	Qatar IT Solutions	Summer 2020
Data Analyst	Qatar Data Systems	Fall 2021
Full Stack Developer	Qatar Tech Innovations	Spring 2022

## Study Abroad

I had the opportunity to study abroad in Tokyo, Japan for a semester. It was an amazing experience that allowed me to learn about a different culture and improve my language skills.



Fig 2. Tokyo , Japan

## Future Plans

After graduation, I plan to pursue a career in software development. I am particularly interested in working on projects related to artificial intelligence and machine learning.

## Resources

- [Career Center](#)
- [Job Search](#)
- [Internship Match](#)

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Figure 1 : HTML demo page

As you make progress push your work to your GitHub repository.