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# ASSIGNMENT

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HTML



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TOPS

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Part - 2

## **Module 2 – Fundamentals of World Wide Web**

**THEORY EXERCISE:**

### 1) Difference between Web Designer and Web Developer.

Web Designer	Web Developer
⇒ A web designer focuses on the aesthetic aspects of a website	⇒ A web developer is responsible for the technical implementation and functionality of the website
⇒ They are responsible for the layout, Colors , typography, images, and overall look and feel of a website	⇒ They write the code that makes the site work
⇒ They use design tools like Adobe Photoshop, Illustrator, Figma, Sketch, and more to create the visual components of a site	⇒ Front-end developers: Focus on the client-side, the part of the website users interact with, using HTML, CSS, JavaScript, and frameworks like React, Vue.js, or Angular
⇒ Web designers typically work with HTML, CSS, and sometimes JavaScript for front-end visual components.	⇒ Full-stack developers: Have the skills to work on both the front-end and back-end of the website.

### 2) What is W3C?

- The W3C (World Wide Web Consortium) is an international community that develops open standards to ensure the long-term growth and accessibility of the web.
- Their goal is to make sure that the web is accessible, interoperable, and usable for all.

### 3) What is a Domain?

- A **domain** is a human-readable address used to access websites on the internet.
- It represents an IP address in a more user-friendly way. For example, in the web address **www.example.com**, **example.com** is the domain.
- Domains are managed by domain registrars and are used to direct internet traffic to a specific website or server.

### 4) What is SEO?

- **SEO (Search Engine Optimization)** is the practice of optimizing a website or web page to improve its visibility and ranking on search engine results pages.
- The goal of SEO is to drive organic traffic to a website by making it more relevant to search engines like **Google**, **Bing**, and **Yahoo**.

### 5) What is SDLC Life Cycle?

- The **SDLC (Software Development Life Cycle)** is a structured process used by developers to design, develop, test, and maintain software systems.
- It defines the stages of development, the tasks involved, and the timelines for completing each phase.
- The SDLC is designed to ensure that software is delivered on time, within budget, and meets the requirements and quality standards.