

Module 2 – Fundamentals of World Wide Web

Q1. Difference between Web Designer and Web Developer

Ans.

Role :

Focuses on visual look and feel of a website

Focuses on functionality and logic of a website

Main Task :

Designs layouts, color schemes, UI/UX

Writes code to build website features

Skills Used :

HTML, CSS, Adobe XD, Figma, Photoshop, UX/UI principles

HTML, CSS, JavaScript, PHP, Python, databases, frameworks

Tools :

Design tools like Figma, Sketch, Photoshop

Code editors like VS Code, Sublime, and frameworks

Focus Area :

Front-end (user-facing side)

Front-end, Back-end, or Full-stack

Output :

Website design mockups or prototypes

Fully working website or web application

Example :

Designing a homepage layout with colors and fonts Making a contact form work and saving user data

Q2. What is a W3C?

Ans. W3C stands for World Wide Web Consortium.

It is an international organization that develops web standards to ensure the long-term growth of the Web. Founded by Tim Berners-Lee, W3C promotes guidelines for : HTML, CSS, and JavaScript standards

Q3. What is Domain?

Ans. A domain is the unique name of a website on the internet. It is what users type into the browser to visit a website, like: www.google.com

A domain has two parts:

Name like "google"

Extension like ".com", ".org", ".in", ".gov"

Q4. What is SEO?

Ans. SEO stands for Search Engine Optimization.

It is the process of improving a website's visibility in search engine results like Google. SEO helps: Increase organic traffic (non-paid) , Improve ranking on search engines , Make content more relevant and user-friendly. It uses key techniques like : Using keywords , fast loading speed , quality content , etc.

Q5. What is SDLC Life Cycle?

And. SDLC stands for Software Development Life Cycle. It is the step-by-step process used to develop software or systems.

Seven phases of SDLC:

1. Requirement Gathering
2. System Analysis
3. Design
4. Coding
5. Testing
6. deployment
7. Maintenance