**MODULE 2 – FUNDAMENTALS OF WWW**

**Q-1: Difference between Web Designer and Web Developer**

**Ans:- Web Designers =** “Design how the site looks” **|| Web Developers = “**Make the site work”

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| **Aspect** | **Web Designer** | **Web Developer** |
| **Role** | Focuses on look and feel of the website | Focuses on functionality and coding |
| **Skills** | Graphic design, UI/UX, HTML, CSS | Programming (HTML, CSS, JavaScript, etc.) |
| **Tools** | Photoshop, Figma, Adobe XD | VS Code, GitHub, frameworks like React, Angular |
| **Goal** | Create visually appealing and user-friendly sites | Build the structure and make the site work |
| **Output** | Design layouts, prototypes, visuals | Interactive website with working features |

**Q-2: What is a W3C?**

**Ans:- W3C (World Wide Web Consortium)** is the main international organization that **develops web standards**.

It was founded by **Tim Berners-Lee**, the inventor of the World Wide Web, to ensure the web remains open, accessible, and works the same for everyone. W3C sets rules for technologies like **HTML, CSS, and XML** to make sure websites work across different browsers and devices.

**Q-3: What is Domain?**

**Ans**:- A **Domain** is the **unique name** that identifies a website on the internet. It is the address that users type into a web browser to visit a website, such as **example.com**.

**A domain is made up of two main parts:**

* **Name**: example
* **Extension**: .com, .org, .in, etc.

Domains are used instead of IP addresses to make websites easier to remember and access.

**Q-4: What SEO?**

**Ans:- SEO (Search Engine Optimization)** is the process of **improving a website’s visibility** on search engines like Google.

The goal of SEO is to **get higher rankings** in search results so more people can find and visit the website. It includes techniques like:

* Using the right **keywords**
* Creating **high-quality content**
* Improving **website speed and mobile-friendliness**
* Getting **backlinks** from other websites

Better SEO = More traffic to your website.

**Q-5: What is SDLC life cycle?**

**Ans:- SDLC (Software Development Life Cycle)** is a process used to design, develop, test, and deploy software in a structured way.

* **Phases of SDLC:**

1. **Requirement Gathering** – Understand what the client needs.
2. **Planning** – Create a plan, timeline, and cost estimate.
3. **Design** – Design the software architecture and UI.
4. **Development** – Write the actual code.
5. **Testing** – Check for bugs and ensure the software works correctly.
6. **Deployment** – Release the software to users.
7. **Maintenance** – Update and fix issues after release.