

There are 5 questions in this Lecture Activity. Answer ALL of the questions.

1. Compare the difference between the Internet and the World Wide Web.

- Internet is the global network of connected devices that allows data exchange.
- World Wide Web (WWW) is a system of web pages and sites that operates on the internet browsers.

2. What is Web technology?

- Web Technology refers to the collection of tools, platform, programming language and protocols that are used to develop and operate web-based applications and services.

3. Summarize 5 typical technologies for frontend development, and 5 typical technologies for backend development.

Fronted development

- HTML – Creates the structure of web pages
- CSS – Styles the appearance of web pages
- JavaScript – Adds interactivity to web pages.
- React.js – A library for building user interfaces.
- Bootstrap – a framework for building responsive websites.

Backend Development

- Node.js – JavaScript runtime for server-side development.
- Php – A scripting language for building for building dynamic websites
- Python – Used for building backend system.
- Ruby on Rails – A framework for building web applications.
- SQL – technologies like MySQL for data storage.

4. Compare the difference between Frontend developers, and Backend developers.

- Fronted developers – Focus on design and build the visual part of websites
- Backend developers – ocus on the server, database and logic that power the website.

5. What are the common skills that Full Stack developers posses?

- Proficient in multiple programming languages
- Have knowledge of server – side programming language to create and maintain database
- Good understanding of database system to manage and manipulate data efficiently.
- Know how to deploy their code to production servers using tools.
- Proficient in web development frameworks to build complex web applications more efficiently.