

Software Engineering Questions and Answers

Q1: What is Software Engineering?

A1: Software Engineering is a field that involves the design, development, testing, and maintenance of software.

It uses principles from engineering to build reliable and efficient software systems. However, it is not always

needed for all small projects.

Q2: What are the phases of the Software Development Life Cycle (SDLC)?

A2: The SDLC consists of several phases, including:

- Requirement Gathering - Understanding what the user wants.
- Design - Creating system architecture.
- Implementation - Writing the actual code.
- Testing - Finding and fixing bugs.
- Deployment - Releasing the software to users.
- Maintenance - Updating and fixing issues after release.

(Not all projects go through every phase in this order.)