Q-1. What is software? What is software engineering?

* Software is a set of instructions that enable computers to perform specific tasks. Software engineering is the systematic application of engineering principles to design, develop, maintain test and evaluate software and systems to ensure they meet specified requirements and function reliably.

Q-2. Explain type of software

* 1. Application software: performs specific tasks for users(e.g. word processors, web browsers)
* 2. System software: Theses software programs are designed to run a computer’s application programs and hardware.
* 3. Driver software: also known as device drivers, this software is often considered a type of system software.
* 4. Middleware: The term middleware describe software that mediates between application and system software or between two different kinds of application software.
* 5. Programming Software: computer programmers use programming software to write code.(e.g. assemblers, compliers and interpreters.)

Q-3. What is SDLC? Explain each phase of SDLC.

* SDLC or software Development life Cycle, is a systematic process used by developers to design, develop, test, and deploy software efficiently.

1. Planning and analysis

2. Define Requirements

3. Design

4. Development

5. Testing

6. Deployment

7. Maintenance

Q-4.What is DFD? Create a DFD diagram on Flipkart.

* DFD is the abbreviation for data Flow Diagram. The flow of data of a system or a process is represented by DFD.

Q-5 What is flow chart? Create a flowchart to make addition of two numbers

* A Flowchart is diagrammatic representation of an algorithm.