**MODULE: 1**

**Q1: What is software? What is software engineering?**

Ans : Software, is a collection of computer programs and related data that provide the instructions for telling a computer what to do and how to do it and Software engineering is the art of developing quality software on time and within budget.

**Q2 : Explain types of software.**

Ans : System Software, Programming Software & Application Software.

**Q3 : What is SDLC? Explain each phase of SDLC ?**

Ans : SDLC is a structure imposed on the development of a software product that defines the process for planning, implementation, testing, documentation, deployment, and ongoing maintenance and support. There are a number of different development models.

SDLC Phases : Requirements, Analysis, Design, Implementation,Testing & Maintenance.

**Q4 : What is DFD? Create a DFD diagram on Flipkart**

Ans : DFD-is Data Flow Diagrams.

**Q5 : What is Flow chart? Create a flowchart to make addition of two numbers.**

Ans : Flow Chart is algorithm or process . Can give step solution to the problem.

**Q6 : What is Use case Diagram? Create a use-case on bill payment on paytm.**

A Use Case diagram illustrates a set of use cases for a system.