

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

Ans. Software is a set of instructions, data or programs used to operate computers and execute specific task. Software engineering is the branch of computer science that deals with the design, development, testing, and maintenance of software applications.

Q-2 Explain types of software ?

ANS. There are various types of software are :-

1. System software:- a type of computer program that is designed to run a computer's hardware and application program.
2. Application software. The most frequently used software is application software, which is a computer software package that performs a specific function for a user or, in some cases, for another application.
3. Driver software:- also known as device drivers, this software is often considered a type of system software.

For example:- keyboards, headphones, printer.

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

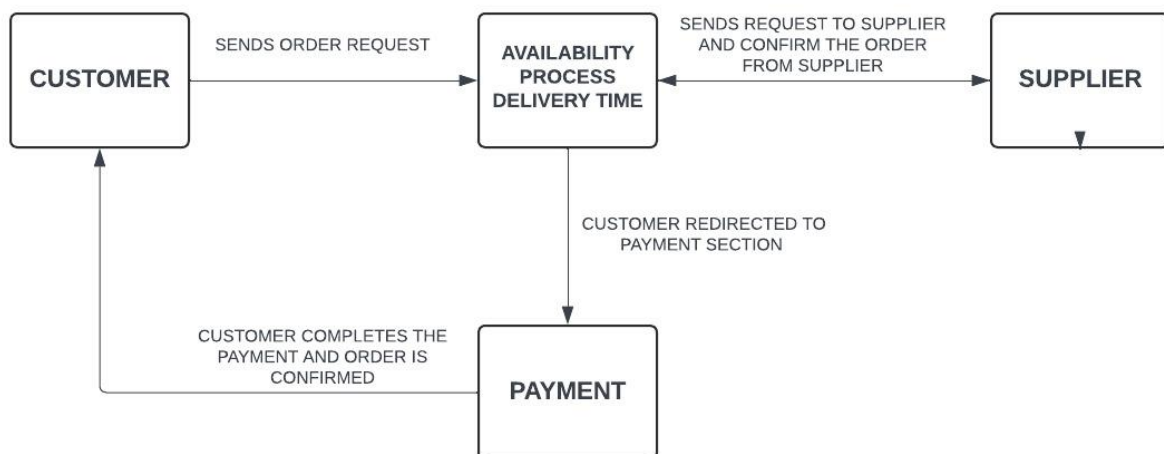
Ans. SDLC is known as software development life cycle (SDLC) is a structure that is used to design, develop, and test good - quality software. The phases of SDLC are:-

- Requirement gathering:- in this stage interacting with the client for gathering requirements and information about the service they want.
- Analysis :- in this stage, a programmer analysis, what and which kind of software and tools might be needed for this project.
- Designing:- in this process, the software designers, creates the architecture about web pages or layout as per client requirements or design with the designers own experience.
- Implementation: - in this stage implementation of multiple lines of codes, are applied.

- Testing: - this process is the process in which the project is in good quality, before deploying to the client.
- Deployment: - after every process is completed and client's queries has been resolved this project is finally deployed to the market or can be deployed to the client.

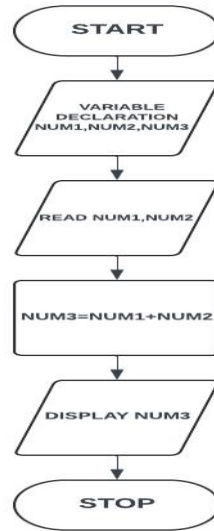
Q4 What is DFD? Create a DFD diagram on Flipkart

ANS. DFD stands for Data Flow Diagram. It's a graphical representation used in systems analysis and design to illustrate the flow of data within a system.



Q5. What is Flowchart? Create a flowchart to make addition of two numbers ?

Ans. It is the step by step process of algorithm or diagram for the better understand the diagram.



Q6. What is Use case diagram? Create a use-case on bill payment on Paytm.

Ans. A use case diagram is a visual representation of the interactions between users and a system.

