

## Software Engineering Assignment

\* Q.1

Q.1) What is Software? What is Software Engineering?

Ans. Software:

- A set of instructions, data or programs used to operate computers & execute specific tasks.
- They are intangible parts of computer.

⇒ Software Engineering:

- It is branch of computer science that deals with design, development, testing and maintenance of software applications.
- It is engineering based approach for software development.

Q.2) Explain types of Software

Ans. Types of Software

① Application Software

- This includes software application which are used in day-to-day life.

Eg: MS Office, Downloaded games, Sublime etc.

## ② System Software

→ This includes software which are inbuilt in system.

Eg: operating system, calculator etc.

## ③ Driver Software

→ This includes drivers which are installed automatically in system.

Eg: Audio, video, printer etc.

## ④ Middleware Software

→ The software which interacts between system and applications.

Eg: Database Middleware, Server Middleware  
i.e. word, excel etc.

## ⑤ Programming Software

→ The software in which we do programming

Eg: Dev c++, VS code, eclipse etc. ...



Q-3) Explain SDLC and each phase of SDLC.

Ans. SDLC means Software Development Life Cycle.

→ There are 6 (Six) stages of it.

① Requirement Gathering

→ It gathers all requirement of client.

② Analysis

→ It does analysis regarding the requirements presented by clients.

③ Designing

→ It includes the designing part of software includes front end part.

④ Coding or Implementation

→ It includes the coding part of software i.e. includes back-end part.

⑤ Testing

→ It includes the testing of software which is made according to requirement.

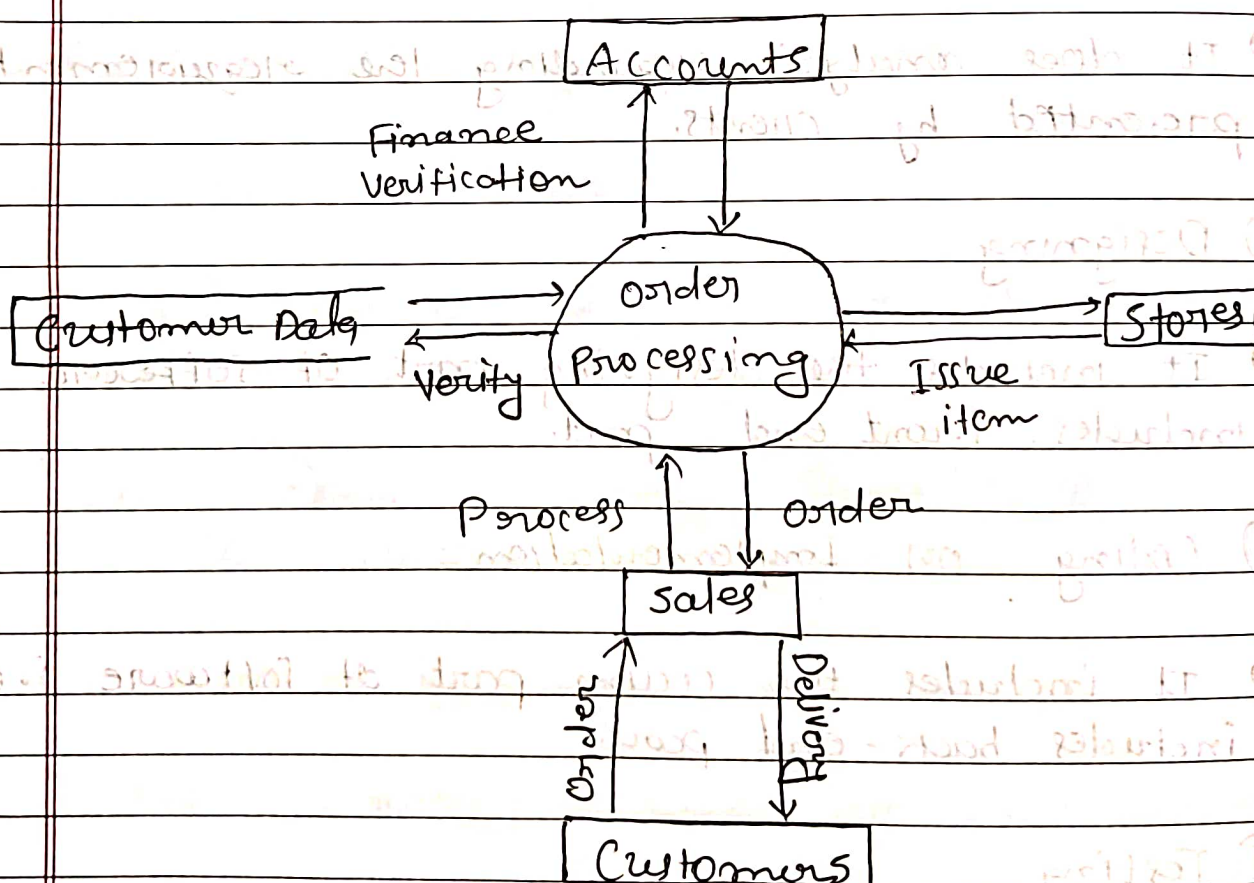
## ⑥ Maintenance

→ It includes maintenance of software.

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

Ans. → It is a way to representing the data in a flow.

→ Flipkart DFD Diagram

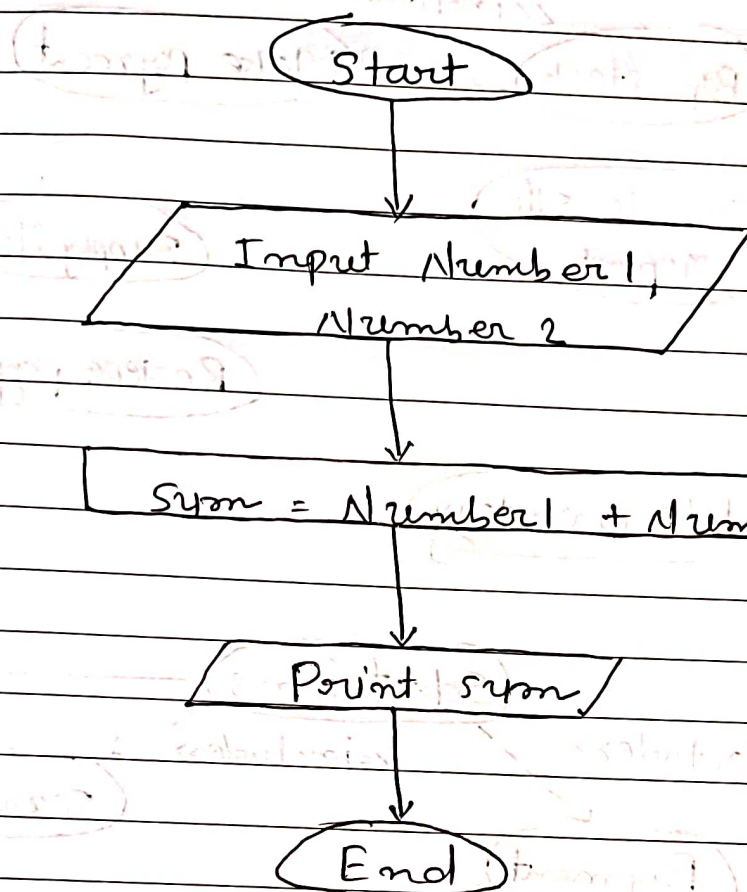


Q-5 What is Flow Chart? Create a flowchart to make addition of two numbers.

Ans. → By using flowchart we can understand the flow.



Q4. Our Coder program.



Q.6

What is use case Diagram? Create a use-case on bill payment on paytm.

Ans.

→ Use-case diagrams describe the high-level functions and scope of a system.

# System

