

Que.1:What is software? What is software engineering?

- Software is a set or collection of instructions, data or information.**
- Software is not a phical part of computer.**
- Software engineering is process, that includes design,testing and maintanance.**
- Software engineering is study for developing different types of system software amd application software.**

Que.2: Explain types of software

- **There are three types of software:**
- **1. system software:** it includes all type of operating system like android , windows , ios , linux ,ubuntu
- **2. application software:** it includes three type of apps
 - **1)desktop app:** notepad , word , power point
 - **2)mobile app:** instagram , whatsapp , snapchat
 - **3)web app:** it includes all type of web browsers like chrome , mozilla firefox.
- **3. programming software:** it possible communication between human and machine .
- **compiler**

Que.3:What is SDLC? Explain each phase of SDLC

- **SDLC : Software Development Life Cycle**
- **Phases in SDLC :**
- **1. Requirement Gathering:** in this phase, software requirements are identified and gathering the information.
- **2. Analysis:** in this phase software requirement are analyzed.
- **3. designing:** in this phase software design are created. And it includes user interface designing and system interface designing.
- **4. Implementation:** in this phase software code is written and the software is developed.
- **5. testing:** in this phase software is tested to ensure that there is no bug , error or defact.
- **6. maintenance:**in this phase software is maintained to fix bugs , update features and face customor support issues.

Que.4:What is DFD?

- DFD : Data Flow Diagram
- DFD is a graphical representation of a flow of data inn the program or system

Que.5:What is Flow chart?

- Flowchart is a graphical representation of a process.
- It uses different types of symbols and arrows