1] What is software? What is software engineering?

Ans :Software is a set of instructions and programs that instructs the computer to do some work. Software is a set of programs that control a computer. A computer has to be given instructions to perform a task which is given by the software. Software is an important part of a computer without which the computer cannot do any work

Software engineering : The systems and programs required to run a computer are called software engineering by those who create the software. A software engineer creates software according to the customer's requirements by following their requirements. Software engineer and computer language are used to create this software, any software or program can be created only by using this computer language like: dev c , dev c ++ , python, java etc. Any computer application or software to run a computer or any games is the work of a software engineer. All the applications that you use on your phone are made by software engineers to do whatever you want For example: Paytm, Zomato etc.

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2] Explain types of software

Ans: There are many types of software, some of which are listed below

1 : System Software ; System software is the software used to run the computer. This software runs the system in the computer or phone. device drivers are used to run the software. Computers have their own drivers for the run of the system, the devices in the computer work with the help of these drivers. Every computer has different software installed in the computer like Windows in a computer MacBook in Mac Android software in this phone. It is necessary to update all these software after some time.

2 : Application Software : System software is used to run any third party application. Any application that we download, its software is downloaded along with that application. And the software of the application is that software which is used to run the application. For example, if you download any game, its software is different or if you download any application for some work, its software is different.

3 : Utility Software : There are two types of utility software.

1] CAM --> Computer aided manufacturing

This software is used to manufacture any thing. Any thing is made through software. Anyone can design a thing in this software. This software manufactures it.

2] CAD --> Computer aided designing

This software is used to print 3D of any thing or to prepare a 3D model of anything, then this software is used.

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3] What is SDLC? Explain each phase of SDLC

Ans: SDLC --> Software development life cycle

1. Analysis : Before creating any software or company, it is very important to analysis what people need, after that they should start creating the thing.

2. Planning : After analysis, the most important thing is to plan how we can provide good benefit to the customer so that our company or software can be more easy to understand and benefit compared to other company or software.

3. Designing : After planning, the important thing is the designing of software or any site which is done by other developers. The design will have to be prepared in such a way that it is easy for the customer.

4. Development/implementation : Development is the work of developers who create any site or software using their coding language, which includes front-end and back-end developers.

5. Deploy/testing : The most important thing after development is testing. Whatever company or software we have created, it is very important to check there is any bug or any problem in it.

6. Maintain : After all, it is very important to maintain the software so that no bug in the software remains updated on time.

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4] What is DFD? Create a DFD diagram on Flipkart

Ans : DFD is used to show the process of anything. DFD is prepared by giving shape to the data of any process.

Flipkart Diagram

Product search Registration Product confirm

Payment method

Product Search

Cf

5] What is Flow chart? Create a flowchart to make addition of two numbers

Ans : Flow chart is used to show anything in a flow. A process is shown step by step in a shape.

No 1

No 2

condition

No 1 No 2

start

No yes

end

6] What is Use case Diagram? Create a use-case on bill payment on Paytm.

Ans : With the help of the case, it can be designed as per any user's needs.

Payment confirmation

Payment process

Payment Gateway

Payment method

Bill details

Payment type

Login