1. What is software? What is software engineering?

**Software** is a program or set of programs containing instructions that provide desired functionality.

Software Engineering**is the process of designing, developing, testing, and maintaining software and also it is mainly working on designing of software.**

1. Explain types of software.

**Types of software are:**

* Application software:- The most common type of software, application software is a computer software package that performs a specific function for a user, or in some cases, for another application.
* System software. These software programs are designed to run a computer's application programs and hardware. System software coordinates the activities and functions of the hardware and software.
* Driver software. Also known as device drivers, this software is often considered a type of system software. Device drivers control the devices and peripherals connected to a computer, enabling them to perform their specific tasks. such as USB storage devices, keyboards, headphones and printers.
* Programming software. Computer programmers use programming software to write code. Programming software and programming tools enable developers to develop, write, test and [debug](https://www.techtarget.com/searchsoftwarequality/definition/debugging) other software programs. Examples of programming software include assemblers, compilers, debuggers and interpreters.

1. What is SDLC? Explain each phase of SDLC.

The software development life cycle is a process that development teams use to create awesome software that's top-notch in terms of quality, cost-effectiveness, and time efficiency.

1. What is Flow chart? Create a flowchart to make addition of two numbers.

A flowchart is a diagram that describe the process, system or computer algorithm.

**Input a,b**

**Add=a +b**

**Print Add**

1. What is Use case Diagram?

With the help of use case diagram, we can graphically represent that how user can interact with the system. The use cases are represented by either circles or ellipses

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