**ASSIGNMENT: -1**

**1.What is software? What is software engineering?**

-> Software is collection of data, information and instruction.

-> Software Engineering is a technique through we can developed or created software for computer system, mobile system and any another device.

**2. Explain Types of Software**

-> There are three types of software.

1.system software

2.application software

3.programming software

**1)system software**

* System software is the software that runs the system.
* System software is software designed to provide an operating system to another device like mobile, laptop and computer.
* Operating system is the best example of system software.
* Android, iOS, windows, ubuntu, Linux are operating system.

**2)Application software**

* Application software is the software that helps you to do a specific type of work.
* Three type of application software.

1.desktop application

* In this type of application software, software is work only on desktop.
* Software runs on a computer device like a desktop or a computer device.
* Example: notepad, Microsoft access.

2.web app

* Web application can be used by anyone who has access to the web browser.
* Example: web browser like chrome, Mozilla Firefox.

3.moblie application

* In this type of application, software is work only on mobile or tab.
* Software runs on a mobile or tab.
* Example: snapchat, Instagram.

**3)Programming software**

* Programming software is a software which helps the developed the software.
* Compiler and debugger are the programming software.

There are two type of programming language.

1.high-level programming language

* In this programming language, mediator is converting program to machine language.
* This mediator is compiler or interpreter.
* There are four types of programming language.

1. **Procedural Oriented programming Language**
2. **Object oriented Programming Language**
3. **Functional Programming Language**
4. **Logical Programming Language**

2. low-level programming language

**i) Machine language**

**ii) Assembly language**