

**SOFTWARE ENGINEERING ASSIGNMENT**

1. What is software ? what is software engineering ?

**SOFTWARE** is a set of computer programs and associated with documentation and data . This is in contrast to hardware , from which the system is built and which and actually performs the work.

**SOFTWARE ENGINEERING** is a systematic engineering approach to software development.

A software engineer is a person who applies the principle of software engineering to design , develop, maintain , test and evaluate computer software.

1. Explain types of software.

There are total 5 types of software

* Application software
* System software
* Driver software
* Middleware
* Programming software

Let’s study all of them in detail

**APPLICATION SOFTWARE**

This is the most common type of software, application software is a computer software package that performs a specific function for the user , or in some cases , for another application.

**SYSTEM SOFTWARE**

These software programs are designed to run a computer’s application programs and hardware. It coordinates the activities and functions of hardware and software.

**DRIVER SOFTWARE**

It is also known as device drivers, this software is often considered a type of system software . Device drivers control the devices and peripherals connected to computer enabling them to perform their specific tasks.

**MIDDLEWARE**

The term middleware describe software that meditates between application and system software or between two different types of application software . For example : Middleware enables Microsoft windows to talk to excel and word.

**PROGRAMMING SOFTWARE**

Computer programmers use programming software to write code. Programming software and programming tools enable developers to develop , write, test and debug other software programs.