**1.1) What is Softeware?**

-> Software is a collection of programs, data, documentation, and other information that performs specific tasks on a computer system. It is the set of instructions that tell a computer what to do in order to perform various functions or tasks.

-> Software can be classified into two broad categories:

**1.System software:-**

->System software is the programs and routines that manage the computer system resources and facilitate the interaction between the computer hardware and the user.

**2.Application software:-**

->Application software is programs designed to perform specific tasks or functions such as word processing, accounting, graphics, gaming and many more

**1.2) What are the types of Applications?**

**1. Desktop Applications** - These applications run on personal computers and laptops and are installed on the computer.

**2. Mobile Applications** - These are applications designed specifically for mobile devices such as smartphones and tablets.

**3. Web Applications** - These applications are accessed through web browsers and are designed to run on multiple platforms.

**1.3) What is programing?**

-> Programming is the process of designing, creating, testing, and maintaining the source code of computer software programs. It involves planning, coding, testing, and debugging to create a software application or system that can execute specific functions.

-> Programming languages, such as Python, JavaScript, C++, and Java, provide the necessary tools and frameworks for developers to create software programs. Programming is essential in the development of applications, websites, games, and various computer software systems

**1.4) What is Python?**

->Python is an interpreted, object-oriented, high-level programming language with dynamic semantics.

-> Its high-level built in data structures, combined with dynamic typing and dynamic binding, make it very attractive for Rapid Application Development.

-> Python supports modules and packages, which encourages program modularity and code reuse.

-> The Python interpreter and the extensive standard library are available in source or binary form without charge for all major platforms, and can be freely distributed.