Q:-1   What is software?

Software is set of instruction, data or programs used to operate computers and execute specific task.

The history of software and its development can be traced to the early nineteenth century. All computer system are designed to utilize the "stored programme concept" as first developed by charles babbage in the 1850s.

There are different types of software based on their classification. However, if we broadly classify the types of software in a computer, there are two major types as listed below:

• **System Software**

• **Application Software**

System Software:

System software is usually defined as a set of various programs or instructions that help to control or manage the hardware devices connected to the computer and other important resources of the system. Specifically, it helps in making the working of the computer efficient, enables faster performance in a secure manner. In addition, the system software also establishes a platform to run the application software.

Application Software:

Application software refers to a set of programs and instructions that help perform specific tasks, on a computer system. It is mainly designed to meet certain requirements of a particular environment. Application software can be downloaded and installed manually on the computer system and these software have nothing to do with the system core functions.

Q:2   what are the types of application?

Most of the beginners confused about types of Computer Applications and It is not easy to divide computer applications into any exact categories. At present there is no clear definition available to categorize computer applications. Even though here is a small list of different types of computer applications.

Embedded Systems

When we save a name, address and other information in to our Mobile Phone or Digital Diary, You know How it gets saved in it? Nothing but which is a small computer program 'Embedded' into a chip in the device inside the mobile phone or digital diary known as Embedded Systems.

Windows applications

Windows Applications is a form based standard Windows, Microsoft word; Paint is example to the Windows application, and also called 'Desktop applications'.

Web Applications

A web site is also called 'web Applications'. A web applications is a collection of web pages hosted on a special computer called 'web server'. Web server can be located anywhere and visitors can be located anywhere .It will work through Browsers (EG. Internet Explorer, Mozilla, Netscape).

Web Services

Web services are web applications that give services to other applications through the internet, example Google search engine, Yahoo Search engine etc. which allows other applications to delegate the task of searching over the internet.

Q:3 what is programming?

Computer programming is a define as the process of creating computer software using a programming language. Computer programme are written by human individuals (programmers)

A computer programme is a step by step set of instruction that a computer has to work through in a logical sequence in order to carry out a particular task. The computer executes these instructions when told to do so by the user.

Some programming language (like Java or c++) require the code to be compiled before it can be started. Other (like Java script) are interpreted, meaning that each command translated separately when the programme is started.

Programming is writing code (a set of instructions) to be interpreted and executed by a computer or another electronic device. These instructions can create programs, and tell applications how to operate or function. People who program are referred to as programmers and write their code using a programming language.

Q:-4   What is python?

Python is a high-level, general-purpose programming language. Its design philosophy emphasizes code readability with the use of significant indentation.

Python is a popular programming language. It was created by Guido van Rossum, and released in 1991.

It is used for:

web development (server-side),

software development,

mathematics,

system scripting.

Python Syntax

Somewhat similar to the English language, with a mathematical influence, Python is built for readability

Unlike other languages that use semicolons and/or parentheses to complete a command, Python uses new lines for the same function

Defines scope (i.e., loops, functions, classes) by relying indentation, using whitespace, rather than braces (aka curly brackets)