

## **Q : 1**

### **What is software?**

Software is a set of instructions, data or programs used to operate computers and execute specific tasks.

It is the opposite of hardware, which describes the physical aspects of a computer. Software is a generic term used to refer to applications, scripts and programs that run on a device, such as PCs, mobile phones, tablets, and other smart devices. Software contrasts with hardware, which is the physical aspects of a computer that perform the work.

Without software, most computers would be useless. For example, a web browser is a software application that allows users to access the internet. Without the web browser software, reading this page on Webopedia wouldn't be possible.

An operating system (OS) is a software program that serves as the interface between other applications and the hardware on a computer or mobile device. TCP/IP is built into all major operating systems to allow computers to communicate over long distance networks. Without the OS or the protocols built into it, it wouldn't be possible to access a web browser.

## **Q :2**

### **What are the types of application?**

we got confuse that what are the the types of computer applications we have? ,there are many services and applications that we are daily using and not even aware about those. Some of then mentioned below.

**Console Applications :** Console applications runs under the command prompt i.e. DOS windows, these are is a light weight programs and these are used commonly for test of the applications.

**web services :**

Web services are web applications that give services to other platforms through the internet, example Google, Yahoo.

**Web applications :**

we are confused that what is web applications and for this query the answer is ,A web site is also called web Applications. A web applications is a collection of web pages hosted on a servers.

For example, a mobile application developer writes their code as a native, web or hybrid application -- and these terms can also describe desktop applications. The developer codes a native application to run on specific hardware, such as a camera or GPS, and in the same programming language as the underlying OS. For example, the Photos application on Mac OS X is written in Objective-C, which is the same language that Mac OS X uses.

### **Q :3**

#### **What is programming?**

“Programming is how you get computers to solve problems.”

Programming is a creative task: there is no right or wrong way to solve a problem, in the same way, that there is no right or wrong way to paint a picture.

A computer program consists of code that is executed on a computer to perform particular tasks. This code is written by programmers.

Programming is the process of giving machines a set of instructions that describe how a program should be carried out. Programmers will spend their whole careers learning a variety of programming languages and tools so they can effectively build computer programs.

Here are a few popular programming languages.

Python

JavaScript

C/C++

Java

C#

Ruby

PHP

## **Q :4**

### **What is python?**

Python is an interpreted, object-oriented, high-level programming language with dynamic semantics developed by Guido van Rossum. It was originally released in 1991.

Designed to be easy as well as fun, the name "Python" is a nod to the British comedy group Monty Python. Python has a reputation as a beginner-friendly language, replacing Java as the most widely used introductory language because it handles much of the complexity for the user, allowing beginners to focus on fully grasping programming concepts rather than minute details.

Professionally, Python is great for backend web development, data analysis, artificial intelligence, and scientific computing. Developers also use Python to build productivity tools, games, and desktop apps.

