What is program?

Computer program is a set of instructions given to a computer that tells computer to perform particular tasks.

Source code is the computer program in the human readable form.

World wide web

World wide web is a collection of websites or web pages that users can access through internet and these web pages are interconnected by means of hyperlinks.

How does the internet work?

Internet is just a bunch of computers sending and receiving data from each other using the phone lines.

Internet is a concept than an actual thing.

The internet is actually a wire buried in the ground, it might be fiber optics or copper. The internet is useful because two computers connected directly to this wire can communicate with each other.

A server is a special computer connected directly to the internet and webpages or files are stored on that server’s hard drive. Every server has a unique Internet protocol address or an IP address. IP address helps computers find each other.

Computers we use are not directly connected to the internet and are not called servers but are called clients because our computers are connected indirectly to the internet through the internet service providers.

When we try to send an email or click on youtube videos or stuff like that, the email or webpage travels across the internet. Whenever the webpage travels across the internet the computer breaks the information into smaller pieces called packets. When information reaches it’s destination, the packets are reassembled in their original order to again form the webpage or email.

There are different types of internet connections:

1.Dial up connection

2. Broadband connection

3. Digital subscriber Line

4. Satellite Connection

5. Cellular Connection

6. Wireless Connection

7. Integrated Service Digital Network

Software:

Software is a computer program or an application that provides instructions to execute a user’s commands.

There are four main types of software:

Application software:

Application Software

This is the most common type of computer software, and can be defined as end-user programs that help you perform tasks or achieve a desired outcome. The end-user is the person who is actually using a product or program. (They are the one for whom the “end result” is designed.) Some examples of application software include internet browsers, a CRM tool like Hubspot, a photo-editing software like Adobe or Lightroom, or a word processing application like Microsoft Word. Application software is installed on a computer or mobile device based upon a user’s need. Because this is the most common type of software, there are many options available and users can choose the one that best fits their needs, budget, and expectations. (For example, anyone wanting to look on the internet could use Chrome, Safari, or even Firefox.)

System Software

System software helps the user, the computer or mobile device, and an application all work together seamlessly. This makes system software crucial to running any kind of application software as well as the whole computer system.

Think about when laptop or phone has an update. This is system software in action: there is a tweak made to the system software that helps your computer or phone continue to work well and keep applications running. Apple’s iOS is an example of system software, as is Microsoft Windows. System software is always running in the background of device, but it is never something one will use directly. In fact, the only time most people remember it’s there is when it is time for an update.

Programming-Software

While application software is designed for end-users, and system software is designed for computers or mobile devices, programming software is for computer programmers and developers who are writing code. These are programs that are used to write, develop, test, and debug other software programs. It’s helpful to think of these programs as a translator of sorts: they take programming languages like Laravel, Python, C++, and more and translate them into something a computer or phone will understand.

Driver Software

This software is often considered to be a type of system software. Driver software operates and controls devices that are plugged into a computer. These drivers make it possible for devices to perform their necessary functions. A very good (and practical) example of this is your printer. When you are first setting up your printer to work with your computer, you have to install software to connect the two so that they communicate and print anything one needs.