

# Computer Basics: Software

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<https://yasirbhutta.github.io/computer-basics/docs/software.html>
- [Slides: Software](#)

## What is Software

- Software is the set of programs( instructions) that tell a computer what to do.

### Software Silent Features:

- A computer works according to the given instructions in the software.
- Software is logical part of a computer and cannot be touched.
- The hardware cannot perform any task without software.
- It is copied from the disk into the main memory of the computer as and when required.

Command, Programs, Software

## Types of Software

### 1. System Software

- System software is an program that controls the computer's hardware or that can be used to maintain the computer in some way so that it runs more efficiently.
- System software is a generic term referring to any computer software whose purpose is to help run the computer system
- Most of it is responsible directly for controlling, integrating, and managing the individual hardware components of a computer system.

Some examples of system software are:

- **Operating system** ( Windows (98,2000, XP, Vista, 7, 8, 10,11),Linux (Ubuntu), Macintosh)
- **Device Drivers** (Sound Card, Monitor, VGA, Modem, CR-Rom Drive Etc)
- **Utility program** (File Compressor, Disk Scanner, Antivirus, Backup Utility, Disk Cleanup)

### Utility Program:

- A utility is a program that makes the computer system easier to use or performs highly specialized functions.
- Utilities are used to manage disks, troubleshoot hardware problems, and perform other tasks that the operating system itself may not be able to do.

### 2. Application Software

- The software, which has been developed to perform specific task is called application software.

**Example:**

- [Microsoft 365](#): Used for documentation, prepare spread sheets and presentation etc.
- Corel Draw: Corel Draw is an commercial software that used for picture drawing, editing and also used for publication. Corel Draw.
- Google Chrome: Used for web page browsing
- Microsoft Team: Used for Video, Audio and Text based chat. Other popular chatting software's are Microsoft Team, Google Meet, WhatsApp, [Zoom](#) etc
- Adobe Reader: Used to view adobe PDF files.
- [GIMP](#): This free and open-source image manipulation software is a powerful alternative to Photoshop, making it a popular choice for hobbyists and professionals alike.
- [CapCut](#): Free all-in-one video editor for everyone to create anything anywhere
- [VLC Media Player](#): This free and open-source media player can play virtually any audio or video format, making it a popular choice for users worldwide.

True/False (Mark T for True and F for False)

Multiple Choice (Select the best answer)

Exercises

Review Questions

References and Bibliography