

Computer Software

- * Set of instructions grouped into programs that make the computer to function in the desired way.
- * Collection of pgm to perform a task.
- * instructs H/w what to do.
- * pgm - Set of instr stored in memory ^{written in high level lang undstandable by computer}
CPU fetches an instr, decodes it & then executes required operation.
After execution - pgm counter - next instr fetched & executed

Types of Software.

- * Application Software
- * System Software.

① System Software.

- * Set of programs that governs the operation of computer system and make H/w to work.
- * Controls the internal operations of computer sly.
- * Types
 - OS - Controls all components (CPU, Mem, I/O devices) of computer. Ex: DOS, WINDOWS, UNIX, LINUX.
 - Language processors. ^{Conversion of high level language to Machine language.}
 - ↳ Assembler
 - ↳ Interpreter
 - ↳ Compiler
 - Utility pgms - Virus Scanner, Disk defragmenter.

② Application Software

- * Set of pgms to carryout operations of specific Appltn.
- * It is written by programmers to enable computer to perform Specific task.
- * Types
 - Customised Appltn s/w - based on customer requirements.
 - General Appltn s/w - General requirements for a specific task. Customer can use it simultaneously.
- * Example: Result preparation, Railway reservation, billing