

Operating System

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LECTURE-1

- * It is a program that acts as an intermediary between users of a computer and computer hardware.
- * It is a program that controls the execution of application program.
- * Acts as an interface between application & Hardware.

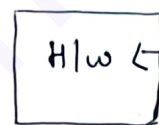
→ Main objective of an OS:

- Convenience.
- Ability to evolve.
- efficiency.

→ OS Services:

- * program development
- * program Execution
- * Access I/O devices.
- * file system access
- * Error detection and response.

Computer



activate
↑
OS
Software.

→ Role of OS:-

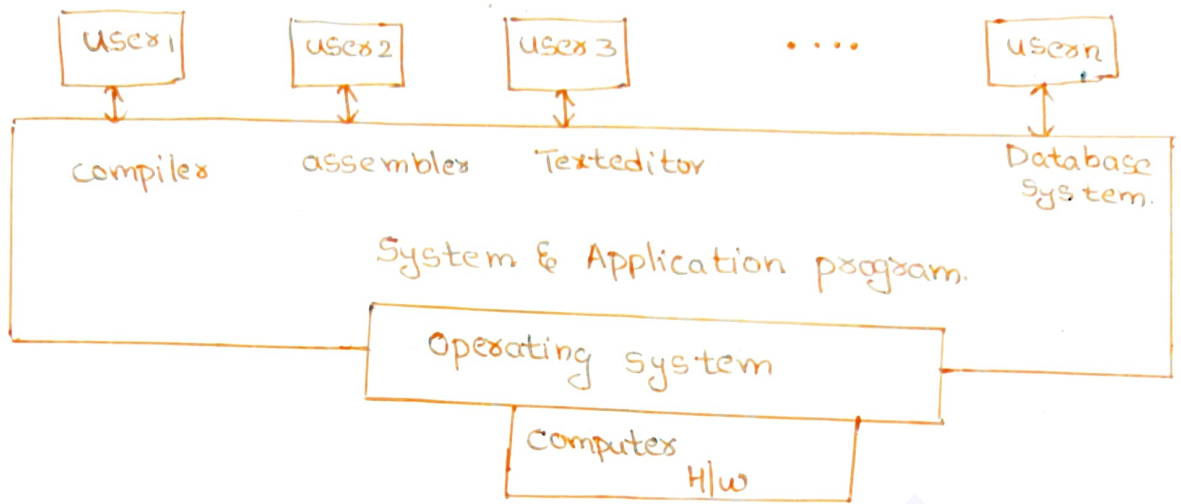
- * A computer is a set of resource for movement, storage and processing data.
- * The OS is responsible for managing these resources

→ Computer System Components:

- * Hardware (CPU, memory, I/O)
- * Operating System.
- * Application programs.
- * Users (people, machine, other computers)



→ Abstract view of system:



→ Evolution of operating system:

* A major OS will evolve overtime for a no of seasons.

Hardware upgrade.

New type of Hardware.

New services.

→ Stages include:

