5. I/O System Management: One of the main objects of any OS is to hide the peculiarities of that hardware device from the user.

6. Secondary-Storage Management: Systems have several levels of storage which include primary storage, secondary storage, and cache storage. Instructions and data must be stored in primary storage or cache so that a running program can reference them.

7. Security: The security module protects the data and information of a computer system against malware threats and authorized access.

8. Command Interpretation: This module is interpreting commands given by the acting system resources to process those commands.

9. Networking: A distributed system is a group of processors which do not share a memory, hardware devices, or a clock. The processors communicate with one another through the network.

10. Job Accounting: Keeping track of time & resources used by various jobs and users.

11. Communication Management: Coordination and assignment of compilers, interpreters, and other software resource of the various users of the computer systems.

Features of Operating System (OS)

Here is a list of important features of OS:

- Protected and supervisor mode

- Allows disk access and file systems device drivers networking security

- Program Execution

- Memory management Virtual Memory Multitasking

- Handling I/O operations

- Manipulation of the file system

- Error Detection and handling

- Resource allocation

- Information and Resource Protection

Advantages of Operating System

- Allows you to hide details of hardware by creating an abstraction.

- Easy to use with a GUI.

- Offers an environment in which a user may execute programs/applications

- The operating system must make sure that the computer system is convenient to use

- Operating System acts as an intermediary among applications and the hardware components

- It provides the computer system resources with easy to use the format

- Acts as an intermediator between all hardware and software of the system

Disadvantages of Operating System

- If any issue occurs in OS, you may lose all the contents which have been stored in your system

- Operating system software is quite expensive for small size organizations which adds a burden on them. Example Windows

- It is never entirely secure as a threat can occur at any time.

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