Operating Systems

Operating System Features

An operating system makes the computer system convenient and easy to use for the user. It also coordinates and uses the computer hardware in an efficient way. Another important objective of an operating system is to execute user programs and make solving user problems easier.

Let us talk about operating system features. Users may submit jobs on a regular schedule, e.g. daily, weekly or monthly, to a central place where the user of the system does not interact directly with the computer. To speed up processing, jobs with similar needs would need be batched together and run through the computer as a group.

In Time-Sharing, the operating system provides a mechanism by which communication between the user and the system takes place interactively. A user gives instructions directly and receives an immediate response. It allows many users to simultaneously share the computer system and processing is allocated rapidly among several programs.

Where there is a need for an immediate response, Real Time System is used. It guarantees that critical tasks complete on time. Real time system uses some known parameters, like threshold value and maximum limits and reads data constantly. It is mostly used to control devices or a data flow to be monitored for a specific purpose.