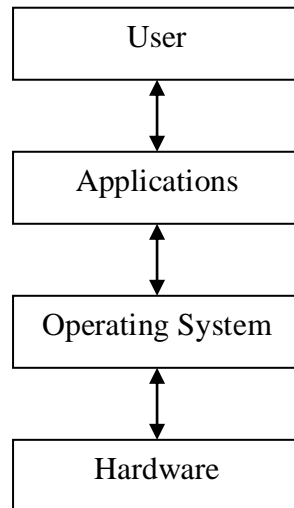


## Introduction to Operating System

An Operating System (OS) is system software (collection of programs) that acts as an interface between the computer user and computer hardware. It also provides various facilities and services that make the use of the hardware convenient, efficient and safe.

**Example:** Windows, Linux, UNIX, etc



*Fig. Abstract View of the Components of a Computer System*

## Features of Operating System

1. It is a program that acts as an interface between the software and hardware.
2. It is an integrated set of specialised programs that are used to manage overall resources and operations of the computer.

## Objectives of Operating System

1. To make a computer system convenient to use in an efficient manner.
2. To hide the details of the hardware resources from the users.
3. To provide users a convenient interface to use the computer system.
4. To manage the resources of a computer system.
5. To provide efficient and fair sharing of resources among users and programs.

## Questions asked in semester exam:

**Question:** Define Operating System. List the objectives of an operating system.

[2017-2018][2 Marks]

**Question:** Define operating system explain in short.

[2016-2017] [2 Marks]

**Question:** What is an operating system? Define the components of an operating system.

[2015-2016] [2 Marks]

**Question:** What is an operating system? Discuss the main components of an OS.

[2014-2015] [5 Marks]

**Question:** What is an operating system? Define the components of an operating system.

[2013-2014] [5 Marks]

**Question:** What is an operating system? Discuss the main services of the operating system.  
[2010-2011] [5 Marks]

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