

ANS- (1) Following are the types of Operating System:

- (1) Batch OS
- (2) Real OS
- (3) Time sharing OS
- (4) Distributed OS

### \* Batch Operating System:-

- => Batch Operating System does not directly interact with computer.
- => There is an operator that takes up similar jobs having the same requirement and group them into batches.
- => Basically, it is the responsibility of the operator to sort jobs having similar needs.
- => These, batches are executed one by one based on first-come, first-serve.

### \* Advantages:-

- (1) Multiple users can share batch systems.
- (2) Managing large work becomes easy in batch systems.
- (3) The idle time for single batch is very less.



(2)

### \* Disadvantages:-

- (1) It is hard to debug batch system
- (2) They are costly to own and maintain

### \* Example:-

- (1) Payroll System
- (2) bank Statement System
- (3) Data entry System

### \* Distributed Operating System

- ⇒ It is a recent advancement.
- ⇒ In this OS, various computers are connected through a single communication channel.
- ⇒ These independent computers have their memory and CPU and they form loosely coupled system
- ⇒ The Remote access is available to the systems connected.

### \* Advantages :-

- (1) User can access files that are not present on his system but is on another connected system.
- (2) Failure of one system will not affect other systems.

### \* Disadvantages :-

- (1) The setup cost is high
- (2) Software used is highly complex

### \* Example :-

- (1) LOCUS