

OPERATING SYSTEMS

1) What is process?

A program in execution is actually a process or a sequence of instructions executed in a predefined order.

2) What is program?

A set of instructions that defines a task.

3) What is thread?

An execution unit in the process that has its own programme counter, stack & registers.

4) Difference b/w process and thread.

Process

Heavy weight

More time to
terminate

More creation time

Used in multi-processing

Threads:

light weight

less time to
termination

less creation time

Used in multi-Threading

5) What is multiprocessing?

Multiple CPU are linked together so that the job can be divided and executed more quickly.

6) What is multi-Threading?

The ability of OS to enable more than one user at a time without requiring multiple copies of program running on the computer.

7) What is race condition?

The situation that occurs when a system attempts to perform two or more operations at the same time.

8) What is critical section.

The section where the resources are shared. It can cause issues so to avoid it critical section allows only one process to enter at a time.