

Operating System Concepts

Day 1

Assignment #1

Process States

Explain the following *States of a Process* with the help of a diagram:

1. New
2. Ready
3. Run
4. Wait / Block
5. Completed / Terminated
6. Suspended Ready
7. Suspended Block

Also explain the concept of *Context Switching*

Assignment #2

CPU Scheduling

Do a bit of research about CPU scheduling and address the following tasks:

1. Write about CPU Scheduling in Operating Systems
 2. What are the different types of CPU Scheduling Algorithms?
 3. Explain in detail about Round Robin Scheduling Algorithm
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Assignment #3

Divisions of memory

With respect to the role of RAM during a program execution, explain the following divisions of memory:

1. Stack
 2. Heap
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