

OS
operating system

Simulator



First Come First Serve



Process Name

Arrival Time

Burst Time

Priority



Start Simulation →



CPU Scheduling Algorithms

First Come
First Serve

Shortest
Job First

Priority
Scheduling

Round
Robin

Non-Preemptive

Preemptive

Start Scheduling →



Process Synchronization (Semaphore)

Initial Processes

Post Processes

Start Simulation →

OS

Simulator

CPU
Scheduling
Algorithms

Process
Synchronization
(Semaphore)

Deadlock
Detection

Bankers
Algorithm

Fitting
Algorithms

Page
Replacement
Algorithms



Deadlock Detection

Number of Processes



Start Edge

End Edge

+1

Start Simulation →



Bankers Algorithm

Total Work Vector

Available Work Vector



Process Name

Need Vector



Start Simulation →



Fitting Algorithms

First Fit

Best Fit

Worst Fit

RAM Partition Size



Process Name



Process Size



Start Simulation →



Page Replacement Algorithms

FIFO

Optimal

LRU

Input String

Start Simulation →