

Lab # 3: Process Scheduling (FCFS & SPN)

OBJECTIVE

The objective of this lab is to implement First Come First Serve (FCFS) and Shortest Process Next (SPN) scheduling techniques.

TASK

Write down a program in C++ which shows the following simulation:

Ask user to enter process id and execution time for a number of processes. First show what will be the sequence of execution if FCFS scheduling algorithm is used. Then show the sequence of execution if shortest process is executed first.

SAMPLE INPUT & OUTPUT

Input	
<i>Process ID</i>	<i>Execution Time (in ms)</i>

Pid1	10
Pid2	5
Pid3	3
Pid4	8

Output
<i>Using FCFS Scheduling Algorithm:</i>
Pid1 Executed
Pid2 Executed
Pid3 Executed
Pid4 Executed
<i>Using SPN Scheduling Algorithm:</i>
Pid3 Executed
Pid2 Executed
Pid4 Executed
Pid1 Executed

SUBMISSION

Individually submit this task with in lab timings.