Report for the Operating System Assignment 1

By Ezaz Ahmad

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Introduction

Through the implementation of the dispatcher and a number of scheduling algorithms including the SPN,FCFS,PP,PRR, I have explored that the complexities of process scheduling in this assignment . Implementing the complete code first seemed like a difficult one. It was difficult to understand the intricated details of each algorithm ,visualize the follow operations and then translate this understanding into code. However, a welled strategy opened the way for a straighter forward implementation process.

(1) Evaluation of Algorithm

During testing with 7 and 8 processes, it was observed that all the algorithms were working as expected. It was observed that the longer the service time of a process, the higher the average waiting time and turnaround time. This is because longer service times lead to other processes waiting longer in the ready queue, which increases their waiting time and, consequently, their turnaround time. This observation is consistent with the general behavior of scheduling algorithms and is an important consideration when evaluating their performance.

Conclusion

In conclusion the assignment taught me how to properly work with those algorithm and give me clear idea about all of these algorithm.