

CS341 - Operating Systems

Lab Assignment #4

Spring 2004

The goal of this project is to use a simple operating system simulator to study the behavior of some of the scheduling algorithms we have been learning about in class.

For this assignment, you are to design and run several job/process files to observe the behavior of the three scheduling algorithms implemented in the simulator. From the results you obtain, calculate average waiting time and response times for each algorithm, and compare your results to the expected results for each algorithm, as discussed in the book. You should include test cases that demonstrate best-case and worst-case behavior for each algorithm.

For this assignment, you should check in a report that describes the test cases you tried, along with the simulation results. You should compare the actual results with your expected results, and note any anomalies.