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Lab 5 Summary

During this lab I learned about different process scheduling techniques. I learned how operating systems schedule processes and implementing context switching. For the first come first serve algorithm, I noticed that we needed the current time as an input to the function and that the arrival time needs to equal to or less than the current time to be ready. For the algorithm shortest remaining time, I realized that it is similar to the loop from the first come first serve algorithm, and that the difference checks for remaining time instead of the arrival time. For the round robin algorithm, I used the while loop to find the first process available. For the round robin priority, it was similar to the round robin priority but with three different levels. I used the same loops but three different times based on priority. In each loop I followed the similar process of looking for the next priority process - if none were found it checked if the PID was a high priority and running. Overall, this lab showed me the different ways to schedule processes and that it importance to know the type and length of a process in order to schedule them. This lab really required you to understand each algorithm in order to implement it. Based on the output, first come first served had the shortest average turn around time.