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Lab Section 9

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Lab 5 Summary

During the course of this lab, I got to learn and understand more about processes and the different attributes that can have as well as the different scheduling algorithms. For this lab we were given the task of implementing the First Come First Serve, Shortest Time Next, Round Robin, and Round Robin priority scheduling algorithms. While I implemented these different algorithms, I got to see just how process can be scheduled through their attributes. I had to use the **arrival time** attribute a lot to make sure I could actually run the process. Another one I used a lot was checking to see if the process had **finished** or not. In Shortest Time Next I got to understand just how the process would be scheduled by checking to see if any other processes had arrived and then if their **remaining time** left were less than the current process and if so, preempting it. Round Robin was a little trickier than the first to, but I was able to implement a “queue” using an array and a queue Index. After implementing this algorithm, I got a better idea of what was going on because at first during lecture not everything was clicking for me. Round Robin with priority was a little trickier for me and took most of my time while working on the lab. Because of my queue implementation I had to loop through to find processes that were not finished before I could check to see if my current processes priority were less than another unfinished priority from the queue.