Assignment 2

Exercise 1:

a. Implement Round Robin scheduling algorithm: At runtime generate the processes (using random numbers for process arrival time starting from 0 to n, its Burst time) and you can assume any suitable time quantum. Display process execution sequence and at last display various performance matrices for each process including completion time, turnaround time, waiting time, response time and their averages for this execution.

b. Extend this code to make it hybrid of round robin and shortest remaining time next. In this case instead of serving next process in the process queue the next process should be the process with shortest remaining execution time. Again, display process execution sequence and at last display various performance matrices for each process including completion time, turnaround time, waiting time, response time and their averages for this execution.

Just compare and observe the interesting difference among the performance statistics of both implementation.