## Project Specs aturday, September 30, 2023 12:42 PM

## Description:

Given a set of (simulated) "jobs", run the following Job Scheduling Algorithms and evaluate the performance of each.

- (1) FLFO
- (2) Shortest Job Algorithm (non premptive)
- (3) Shortest Remaining Job Algorithm (pre-emptive)
- (4) "Highest" Priority Algorithm (assigned)
- (5) Round-Robin: with and without context switch

All algorithms should be analyzed by collecting - turn-around time

- through-put for a fixed length of time.

Output should include a table

(similar to the "guiz" output table)

showing values for each algorithm;

also calculate the average-turn around time

also calculate the average-turn around time for each algorithm. and through-put.

The jobs will be randomly generated and stored as "job Objects". Each job Object will Include:

- · arrivalTime
- · CPUTime
- · priority
- · remaining time

Your program will generate 25 jobs, simulate (cun) the algorithms and display the original job information and the table.

Documentation should include

- data structures used and why "runtines" (Big-"0") for the code
- summary of your results
- appropriate usuge of each algorithm.

I am posting pseudorode to generate the 25 jobs.

generate the 25 jobs. Ctt or Java are fine. No Python!