

Computer Project #5
Release Date: 15th June 2018
Due Date: 22nd June 2018

Assignment Overview

This assignment focuses on process management within an operating system, including processor scheduling. You will design and implement the C/C++ program which is described below.

It is worth 20 points and must be completed no later than 11:59 PM on Friday, 6/22.

Assignment Deliverables

The deliverables for this assignment are the following files:

Project05.makefile – the makefile which produces "proj05"
Project05.student.c – the source code file for your solution

Be sure to use the specified file names and to submit your files for grading via the CSE Handin system before the project deadline.

Assignment Objectives

To get a better understanding of process scheduling, esp. Round Robin & Priority

Assignment Specifications

You will add Round Robin (RR) and Priority scheduling to your project02 code. Hence your code will have to distinguish between RR, Priority, and First Come First Served (FCFS). The code will also have to be able to handle multiple processes.

Input will be read in from a file, see the sample test file on the class website. Note, in the instance of RR being chosen as the scheduling algorithm in the input file, a number representing the quantum length will immediately succeed "RR" on the same line.

Assignment Notes

1. For this assignment, you may assume that contents of the input file will be valid.

Extra Credit

1. Allow for multiple processors.