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*  Class     :  Operating Systems
*  HW#       :  Lab 2
*  Due Date  :  May 18 2019
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                 Read Me


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*  Description of the program
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This is a program to simulate a CPU scheduler which
selects a process from a ready queue and executes the
process by using the given scheduling algorithm, display
its actives and evaluate its performance based on
measurements such as average turn-around time,
average waiting time, and total number of context
switching. When a process is scheduled, the simulator
will simply print what the process is running at what
time, collecting data and producing Gantt Chart-like
outputs.

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*  Source files
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Name:  main.cpp
   The two files contain their code for collecting the
following information about each process:
Time of completion
Waiting time
Turn around time
No. of Context Switching
You program should calculate the following information
using the collected data:
Average CPU burst time
Average waiting time
Average turn around time
Average response time
Total number of Context Switching performed
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*  Circumstances of programs
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   The program compiles and runs successfully on linux
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The program was developed and tested on gnu g++ 4.8.2. It was compiled, run, and tested on gcc

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* How to build and run the program
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1. Uncompress the homework. The homework file is compressed.
   To uncompress it use the following commands
       % unzip make./HW3.zip

   Now you should see a directory named with the files:
        main.cpp and process.h

2. Build the program.

    Change to the directory that contains the file by:
    % cd OSLab3

3. Run the program by:
   % ./HW3 file.txt RR 3

4. Delete the obj files, executables, and core dump by
   %./make clean