P2

Main file:

Shared file:

Generate processes ~ 10 jobs

    PID

    Arrival time

        int arrival_time = rand() % 100;

    Service Time

        Int service_time = rand() % 11;

        if (service_time = 0)

            service_time += 1; //avoid fractions

    Remaining Service Time (helpful for SRT)

        int service_remaining = 0;

    Priority

        int priority = rand() % 5;

        if (priority = 0)

            priority += 1;

Print processes

Compare processes (each category we use for scheduling algorithms)

    Store processes in struct?

typedef struct {

    int pid;

```
        int arrival_time;

        int service_time;

        int service_remaining;

        int priority;

} processes;
```

Scheduler files:

FIFO – first in first out

RR – round robin

SRT – shortest remaining time

SJF – shortest job first

HPF – highest priority first