**Practical no:1**

Aim:To study and execute basic Linux System Commands.

Linux Commands:

Directory Commands – pwd, mkdir, cd, ls, rmdir

File Commands - cat, touch, cp, rm, mv

File Information Display Commands - top, head, tail,

sort, grep

System Commands - whoami, which, clear, history, man

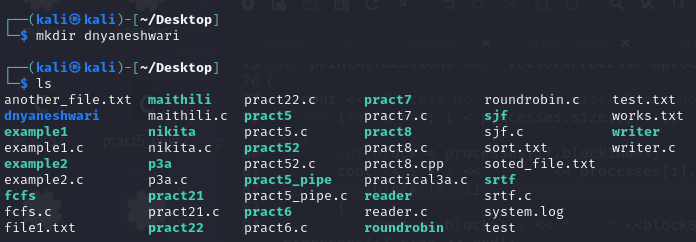
**NAME : Maithili Lokhande**

**BATCH : B1**

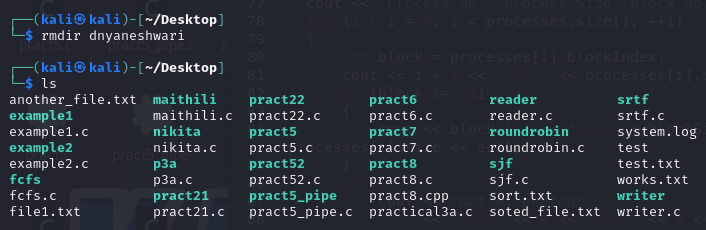
1. pwd



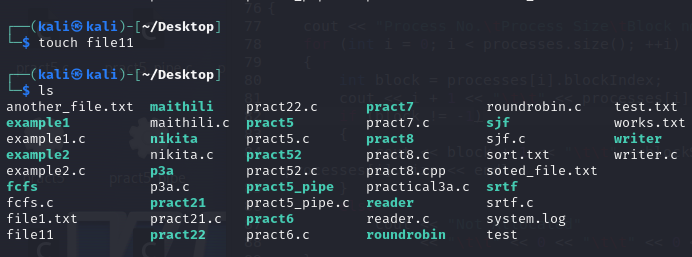
1. mkdir



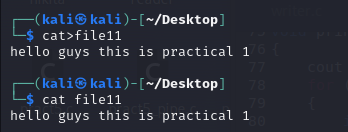
1. rmdir

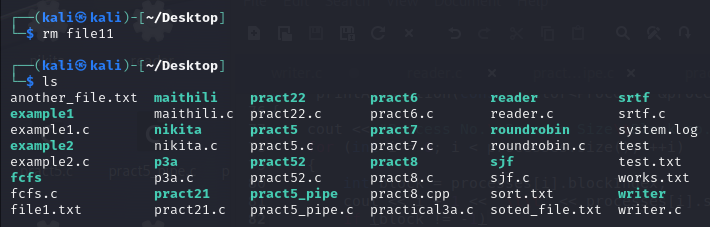


4, touch



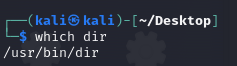
1. cat



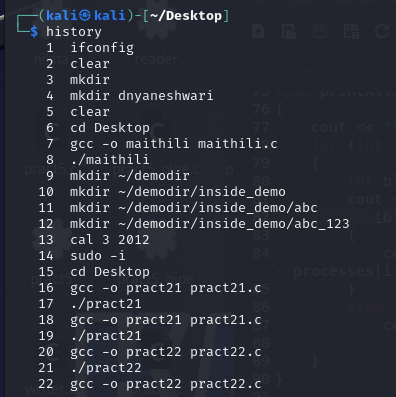
1. rm 
2. whoami



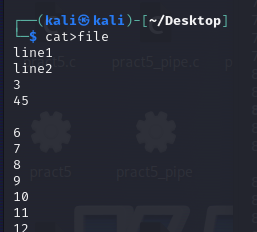
1. which



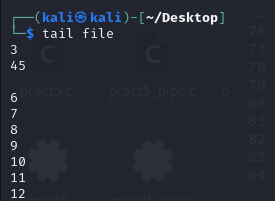
1. history



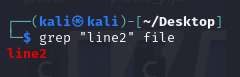
1. head, tail







1. grep



**PRACTICAL NO: 2**

Aim To write and execute I/O system calls in Linux.

I/O System Calls: open, close, read, write, creat, unlink,

umask, chmod, lseek, link, system

System Flags : O\_CREAT, O\_WRONLY,O\_RDONLY, O\_TRUNC

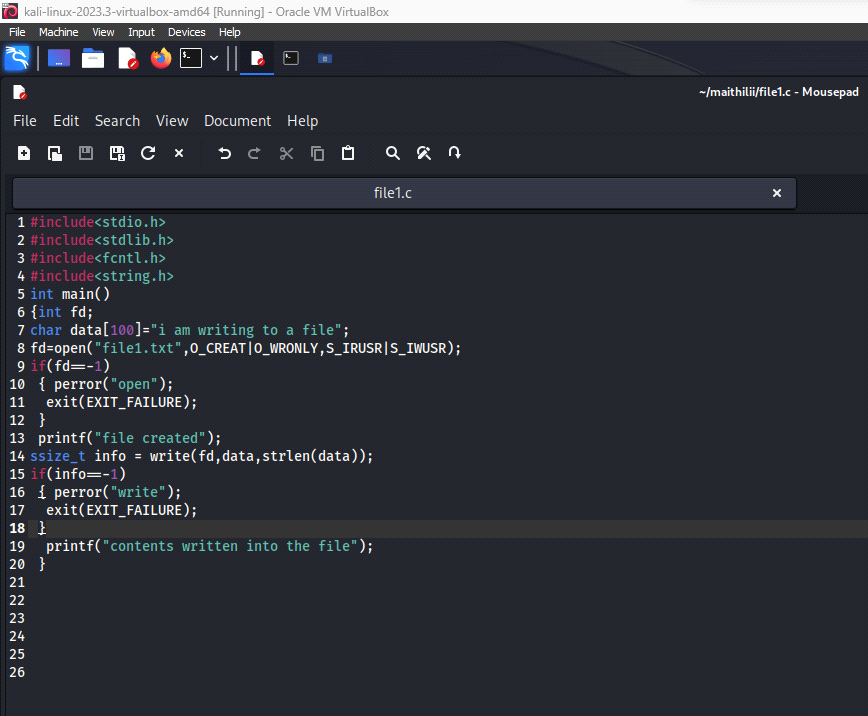
Mode Bits: S\_IRUSR , S\_IWUSR , S\_IRGRP , S\_IROTH, ..

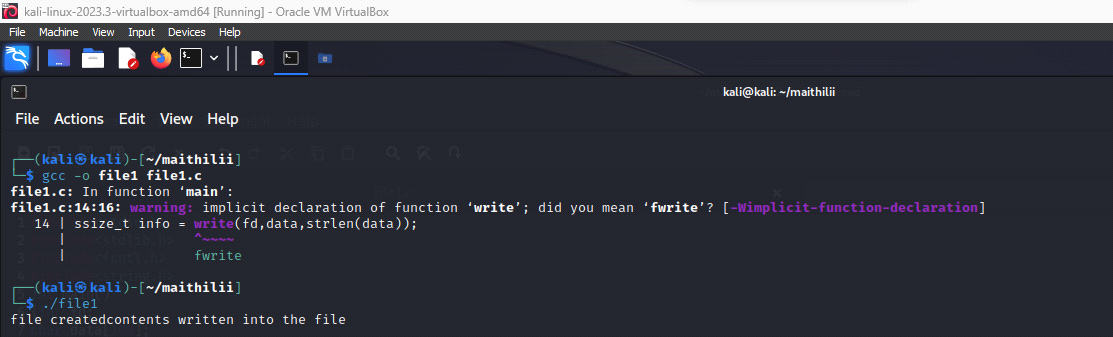
**Name : Maithili Lokhande**

**Roll no. : 07**

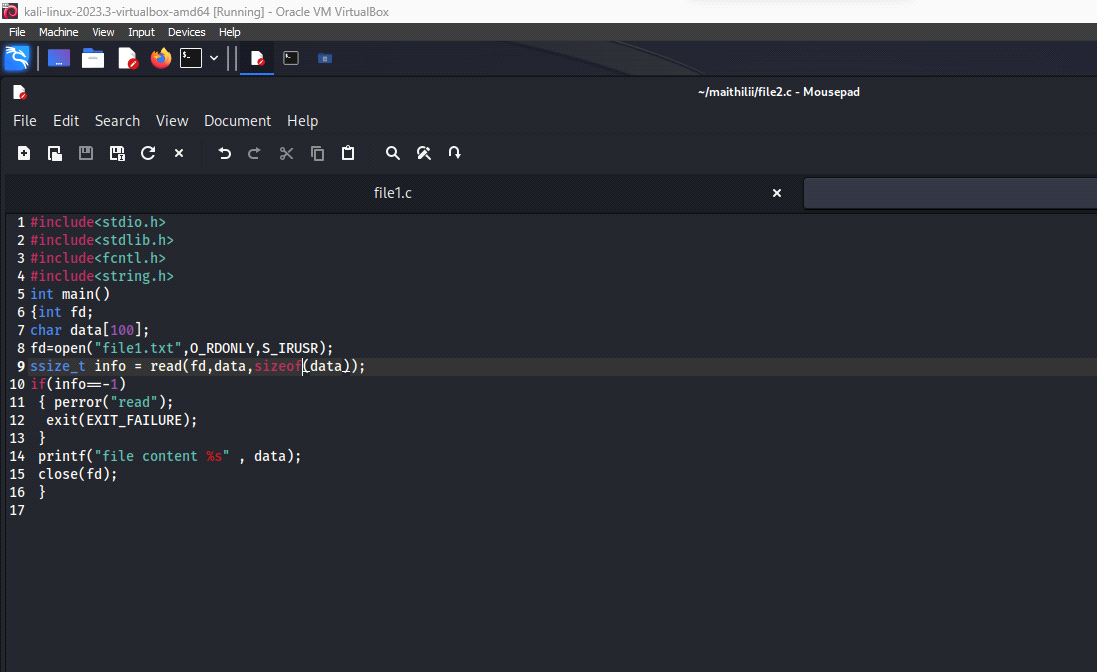
**Batch : B1**

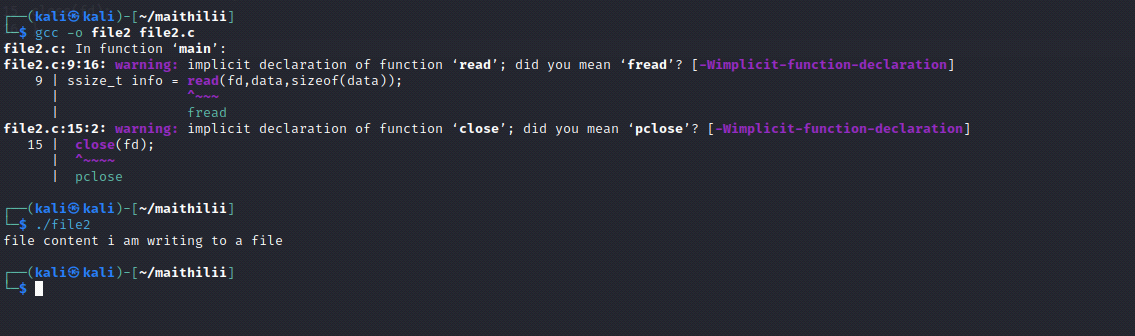
**WRITE:**

****

****

**READ:**

****

****

**PRACTICAL no: 3**

Aim: Write and execute programs to implement the process control system calls.

Process Commands: fork, exec family (execl, execlp, execv,

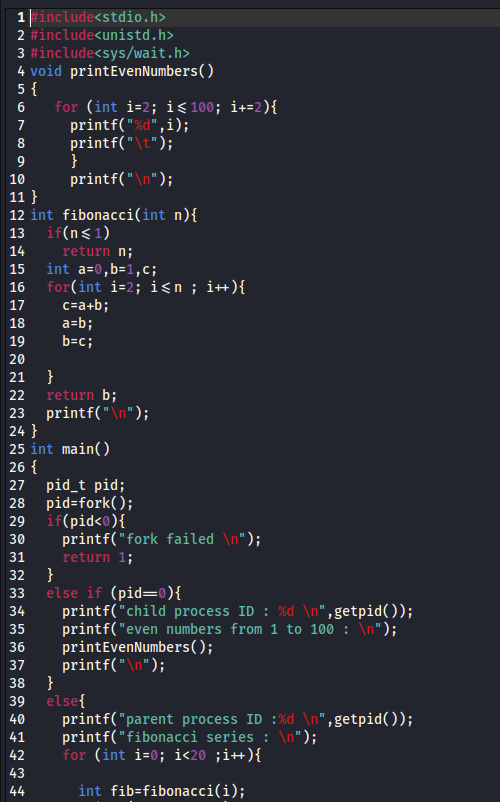
execvp, execle, execve), getpid, getppid, wait, sleep, exit, \_exit

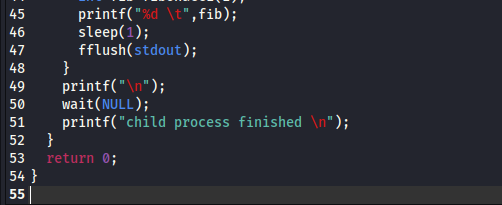
**Name : Maithili Lokhande**

**Roll no. : 07**

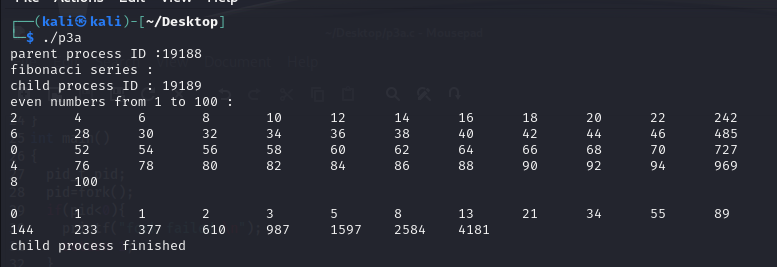
**Batch : B1**

P3a.c code:





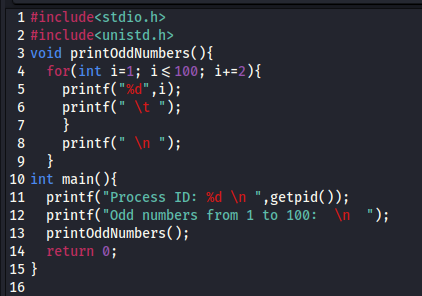
Output :



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3b.c

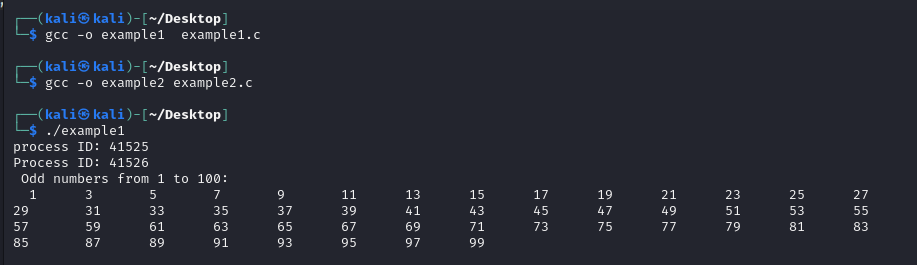
Code1:



Code2:



Output :



**PRACTICAL no: 4**

Aim: Write and execute programs to demonstrate different CPU

scheduling algorithms.

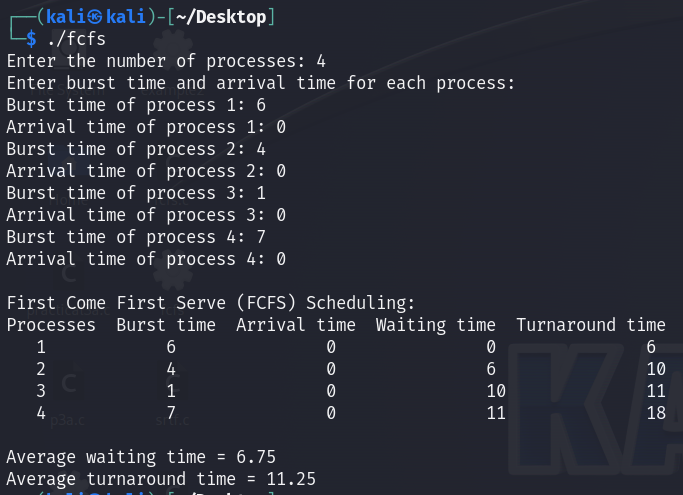
CPU Scheduling: Preemptive & Non-preemptive scheduling, FCFS, SJF, Round Robin, Shortest Remaining Time First

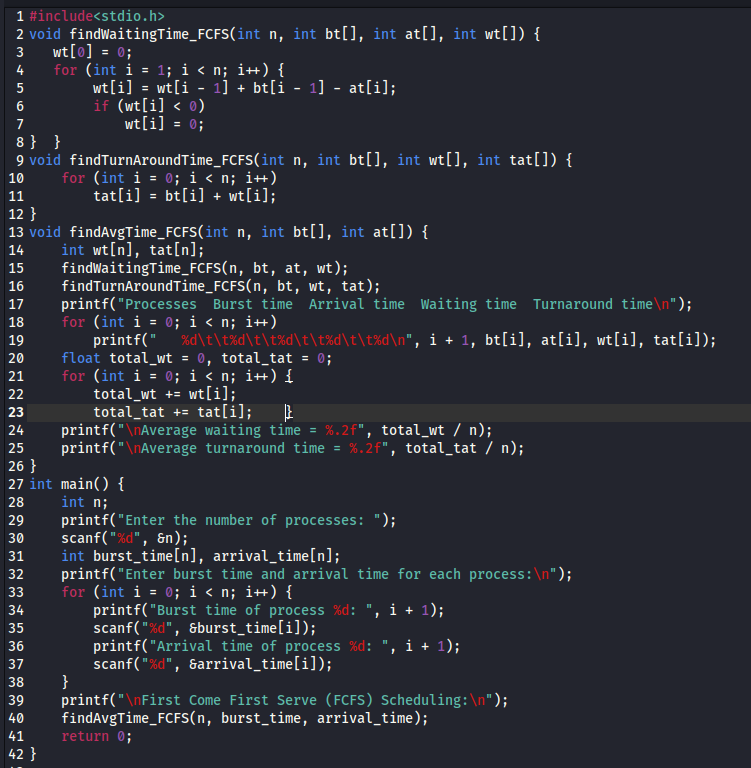
**Name : Maithili Lokhande**

**Roll no. : 07**

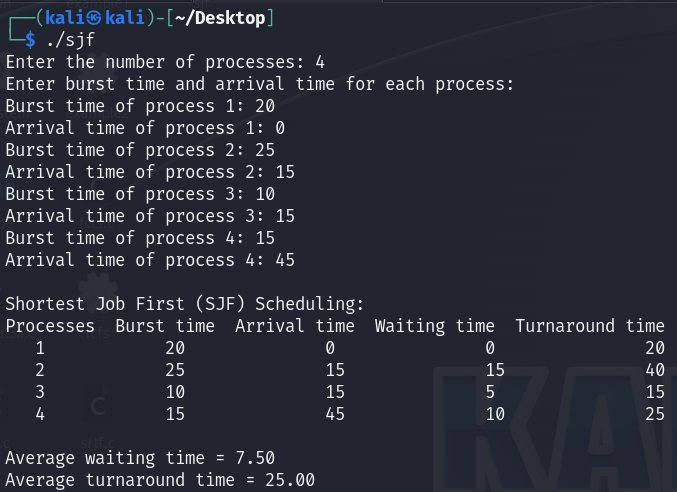
**Batch : B1**

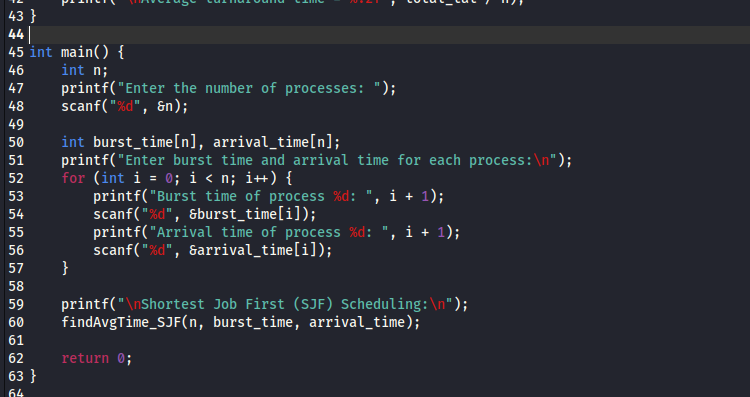
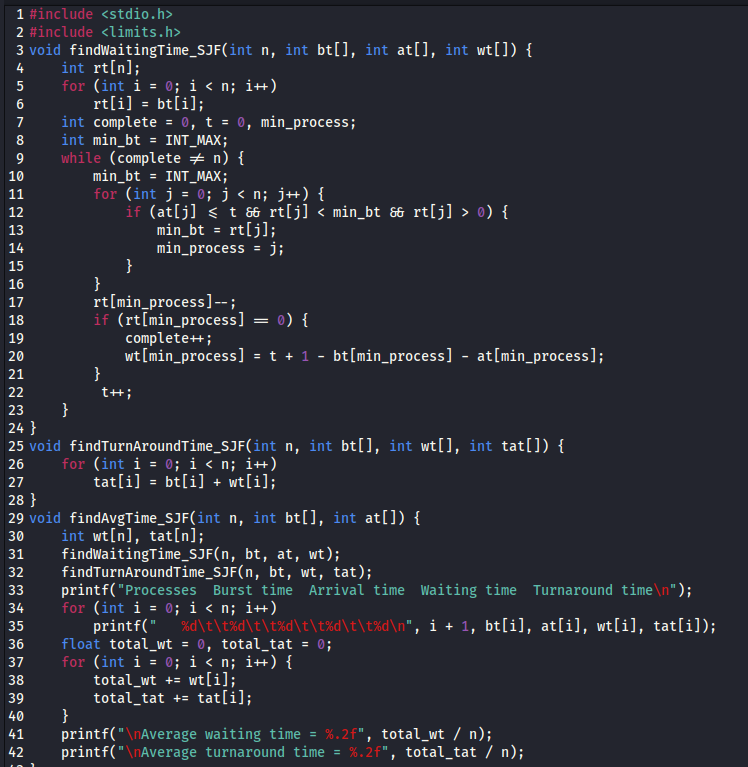
**Fcfs**



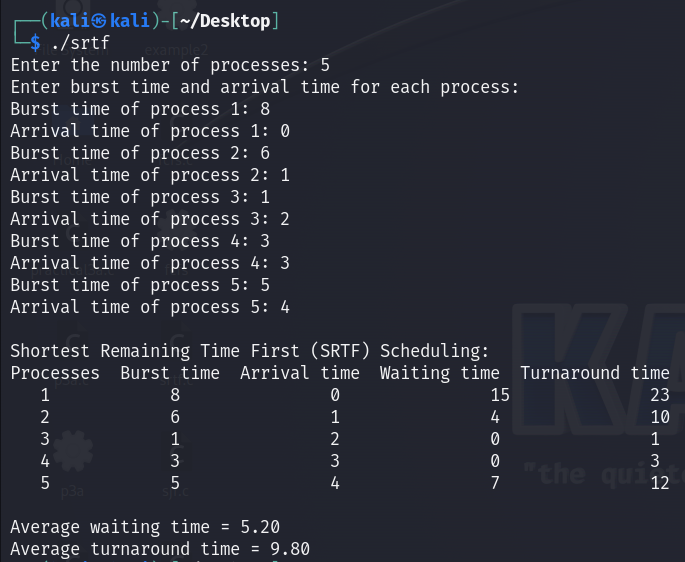


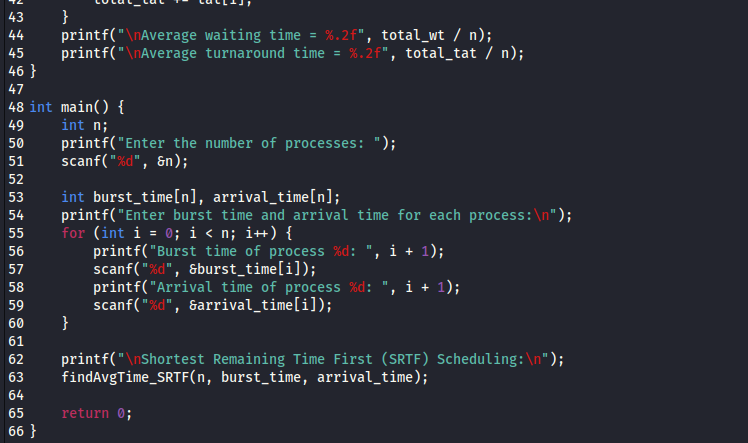
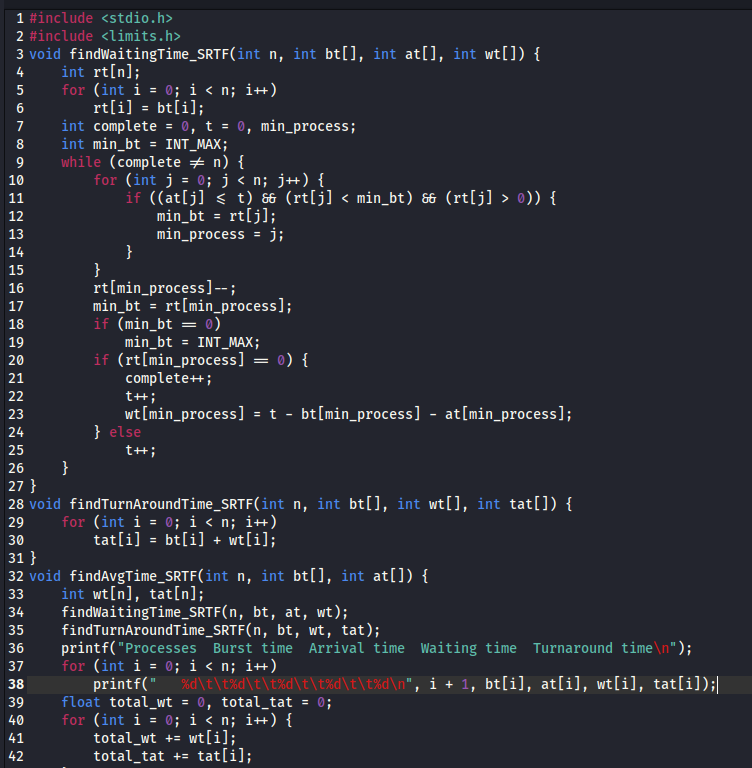
**Sjf**





**Srtf**





**Round-robin**

