```
ncer@ncer-ThinkCentre-M70s:~$ gcc --version
gcc (Ubuntu 11.4.0-1ubuntu1~22.04) 11.4.0
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warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

ncer@ncer-ThinkCentre-M70s:~$ gcc -o fcfs fcfs.c
ncer@ncer-ThinkCentre-M70s:~$ ./fcfs
Enter number of processes: 5
Enter 5 processes: 1 2 3 4 5
Enter arrival time and burst time for each process

Arrival time of process[1]: 2
Burst time of process[1]: 2

Arrival time of process[2]: 0
Burst time of process[2]: 1

Arrival time of process[3]: 2
Burst time of process[3]: 3

Arrival time of process[4]: 3
Burst time of process[4]: 5

Arrival time of process[5]: 4
Burst time of process[5]: 5

Idle      1       2
Solution:

P         AT      BT      CT      TAT     WT

P2        0       1       1       1       0
P1        2       2       4       2       0
P3        2       3       7       5       2
P4        3       5       12      9       4
P5        4       5       17      13      8


Average Turnaround Time = 6.000000
Average WT = 2.800000

ncer@ncer-ThinkCentre-M70s:~$
```

```
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ncer@ncer-ThinkCentre-M70s:~$ gcc -o sjf sjf.c
ncer@ncer-ThinkCentre-M70s:~$ ./sjf

Enter the number of processes -- 5
Enter Burst Time for Process 0 -- 7
Enter Burst Time for Process 1 -- 3
Enter Burst Time for Process 2 -- 2
Enter Burst Time for Process 3 -- 10
Enter Burst Time for Process 4 -- 8

        PROCESS         BURST TIME      WAITING TIME    TURNAROUND TIME

        P2              2               0               2
        P1              3               2               5
        P0              7               5               12
        P4              8               12              20
        P3              10              20              30
Average Waiting Time -- 7.800000
Average Turnaround Time -- 13.800000ncer@ncer-ThinkCentre-M70s:~$
```