THE OUTPUTS:
Shown below:

FCFC:

```
ss> process
0;
w(10) <<
w(25) <<
w(25) <<
w(25) <<

: processe
].arrival_
e = proces

:art_time =
: processe
ompletion_
irnaround_
: setw(10)
: setw(25)
: setw(25)
: setw(25)

nd_time =
rocesses)
_time += p.

: /= proce
irnaround

cesses = g
in(), proce
```

Microsoft Visual Studio Debug Console

```
Enter the number of processes: 4
Enter the name of process 1: 1
Enter the arrival time of process 1: 2
Enter the burst time of process 1: 3
Enter the priority of process 1: 3
Enter the name of process 2: 2
Enter the arrival time of process 2: 2
Enter the burst time of process 2: 4
Enter the priority of process 2: 2
Enter the name of process 3: 3
Enter the arrival time of process 3: 3
Enter the burst time of process 3: 1
Enter the priority of process 3: 1
Enter the name of process 4: 4
Enter the arrival time of process 4: 5
Enter the burst time of process 4: 2
Enter the priority of process 4: 3
PID      Start              Completion time      Turn Around time
1        2                  5                    3
2        5                  9                    7
3        9                  10                   7
4        10                 12                   7
Average Turnaround Time: 6
```

PRIORITY:

```
Microsoft Visual Studio Debug Console

Please enter the number of Processes: 4
Process ID:1
Enter the Arrival time for 1: 2
Enter the Burst Time for 1: 3
Enter the Priority for 1: 3
Process ID:2
Enter the Arrival time for 2: 2
Enter the Burst Time for 2: 4
Enter the Priority for 2: 2
Process ID:3
Enter the Arrival time for 3: 3
Enter the Burst Time for 3: 1
Enter the Priority for 3: 1
Process ID:4
Enter the Arrival time for 4: 5
Enter the Burst Time for 4: 2
Enter the Priority for 4: 3


PID     Start time      Completion time Turn Around time
3       3               4               1
2       2               7               5
1       7               10              8
4       10              12              7
        Avgerage TaT:   5.25
```

SJN(non-preemptive):

```
56  int main() {
57      int num;
58      double total_tat = 0;
59
60
```

```
Please enter the number of Processes: 4
Enter Process Id for 1: 1
Enter Arrival Time for 1: 2
Enter Burst Time for 1: 3
Enter Process Id for 2: 2
Enter Arrival Time for 2: 2
Enter Burst Time for 2: 4
Enter Process Id for 3: 3
Enter Arrival Time for 3: 3
Enter Burst Time for 3: 1
Enter Process Id for 4: 4
Enter Arrival Time for 4: 5
Enter Burst Time for 4: 2
Process ID      Start Time      Completion Time Turnaround Time
    1               2                   5               3
    3               5                   6               3
    4               6                   8               3
    2               8                   12              10

Average Turnaround Time: 4.75
```