```
PS C:\Users\ASUS\Desktop\4th_sem\OS\Sameet_workspace> cd "c:\Users\ASUS\Desktop\4th_sem\OS\" ; if ($?) { g++ priority_based.cpp -o priority_based } ; if ($?) { .
\priority_based }
Enter number of processes:
3
Enter arrival time, burst time, and priority of P1:
0 5 10
Enter arrival time, burst time, and priority of P2:
4 7 5
Enter arrival time, burst time, and priority of P3:
2 3 10

Average Turnaround Time: 7
Average Waiting Time: 2
Completion time: 5 8 15
TAT time: 5 6 11
Waiting time: 0 3 4
Response time: 0 3 4
```

```
PS C:\Users\ASUS\Desktop\4th_sem\OS\Sameet_workspace> cd "c:\Users\ASUS\Desktop\4th_sem\OS\Sameet_workspace\" ; if ($?) { g++ rr_algo.cpp -o rr_algo } ; if ($?)
{ .\rr_algo }
Enter number of processes: 3
Enter arrival time of P1: 2
Enter burst time of P1: 7
Enter arrival time of P2: 3
Enter burst time of P2: 8
Enter arrival time of P3: 5
Enter burst time of P3: 11
Enter time quantum: 2

Process AT      BT      CT      TAT     WT      RT
P1      2       7       15      13      6       0
P2      3       8       23      20      12      3
P3      5       11      28      23      12      5
PS C:\Users\ASUS\Desktop\4th_sem\OS\Sameet_workspace>
```

```
PS C:\Users\ASUS\Desktop\4th_sem\OS\Sameet_workspace> cd "c:\Users\ASUS\Desktop\4th_sem\OS\Sameet_workspace\" ; if ($?) { g++ sjf_p.cpp -o sjf_p } ; if ($?) { .
sjf_p }
Process AT      BT      CT      TAT     WT
P1      0       7       16      16      9
P2      2       4       7       5       1
P3      4       1       5       1       0
P4      5       4       11      6       2
PS C:\Users\ASUS\Desktop\4th_sem\OS\Sameet_workspace>
```

```
PS C:\Users\ASUS\Desktop\4th_sem\OS\Sameet_workspace> cd "c:\Users\ASUS\Desktop\4th_sem\OS\Sameet_workspace\" ; if ($?) { g++ sjf_np.cpp -o sjf_np } ; if ($?) {
.\sjf_np }
Enter no of process:
3
enter arrival time of p1
1
enter arrival time of p2
3
enter arrival time of p3
7
enter burst time of p1
1
enter burst time of p2
8
enter burst time of p3
2
PID  AT  BT  CT  TAT  WT  RT
P1 : 1   1   2   1   0   0
P2 : 3   8   11   8   0   0
P3 : 7   2   13   6   4   4
PS C:\Users\ASUS\Desktop\4th_sem\OS\Sameet_workspace>
```

```
PS C:\Users\ASUS\Desktop\4th_sem\OS\Sameet_workspace> cd "c:\Users\ASUS\Desktop\4th_sem\OS\Sameet_workspace\" ; if ($?) { g++ lrtf.cpp -o lrtf } ; if ($?)
tf }
Enter number of processes:
3
Enter arrival time and burst time of P1:
0 2
Enter arrival time and burst time of P2:
4 3
Enter arrival time and burst time of P3:
3 4

LRTF Scheduling:
Average Turnaround Time: 4
Average Waiting Time: 1
Completion time: 2 9 10
TAT time: 2 6 6
Waiting time: 0 2 3
Response time: 0 0 1
PS C:\Users\ASUS\Desktop\4th_sem\OS\Sameet_workspace>
```

```
PS C:\Users\ASUS\Desktop\4th_sem\OS\Sameet_workspace> cd "c:\Users\ASUS\Desktop\4th_sem\OS\" ; if ($?) { g++ srtf.cpp -o srtf } ; if ($?) { .\srtf }
Enter number of processes:
3
Enter arrival time and burst time of P1:
0 2
Enter arrival time and burst time of P2:
3 7
Enter arrival time and burst time of P3:
8 1

SRTF Scheduling:
Average Turnaround Time: 3
Average Waiting Time: 0
Completion time: 2 11 9
TAT time: 2 8 1
Waiting time: 0 1 0
Response time: 0 0 0
```