```
Enter the number of processes: 7

Enter Arrival Time, Burst Time, and Priority for Process 1:
Arrival Time: 0
Burst Time: 8
Priority : 3

Enter Arrival Time, Burst Time, and Priority for Process 2:
Arrival Time: 1
Burst Time: 2
Priority : 4

Enter Arrival Time, Burst Time, and Priority for Process 3:
Arrival Time: 3
Burst Time: 4
Priority : 4

Enter Arrival Time, Burst Time, and Priority for Process 4:
Arrival Time: 4
Burst Time: 1
Priority : 5

Enter Arrival Time, Burst Time, and Priority for Process 5:
Arrival Time: 5
Burst Time: 6
Priority : 2

Enter Arrival Time, Burst Time, and Priority for Process 6:
Arrival Time: 6
Burst Time: 5
```

```
Enter Arrival Time, Burst Time, and Priority for Process 6:
Arrival Time: 6
Burst Time: 5
Priority : 6

Enter Arrival Time, Burst Time, and Priority for Process 7:
Arrival Time: 10
Burst Time: 1
Priority : 1

Priority Scheduling Menu:
1. Non-Preemptive Priority Scheduling
2. Preemptive Priority Scheduling
3. Exit
Enter your choice: 1
Non-Preemptive Scheduling Completed!

PID     AT      BT      Priority        CT      TAT     WT      RT
1       0       8       3               8       8       0       0
2       1       2       4               17      16      14      14
3       3       4       4               21      18      14      14
4       4       1       5               22      18      17      17
5       5       6       2               14      9       3       3
6       6       5       6               27      21      16      16
7       10      1       1               15      5       4       4
```

```
Average TAT: 13.57
Average WT: 9.71
Average RT: 9.71

Priority Scheduling Menu:
1. Non-Preemptive Priority Scheduling
2. Preemptive Priority Scheduling
3. Exit
Enter your choice: 2
Preemptive Scheduling Completed!

PID     AT      BT      Priority        CT      TAT     WT      RT
1       0       8       3               15      15      7       0
2       1       2       4               17      16      14      14
3       3       4       4               21      18      14      14
4       4       1       5               22      18      17      17
5       5       6       2               12      7       1       3
6       6       5       6               27      21      16      16
7       10      1       1               11      1       0       4

Average TAT: 13.71
Average WT: 9.86
Average RT: 9.71
```