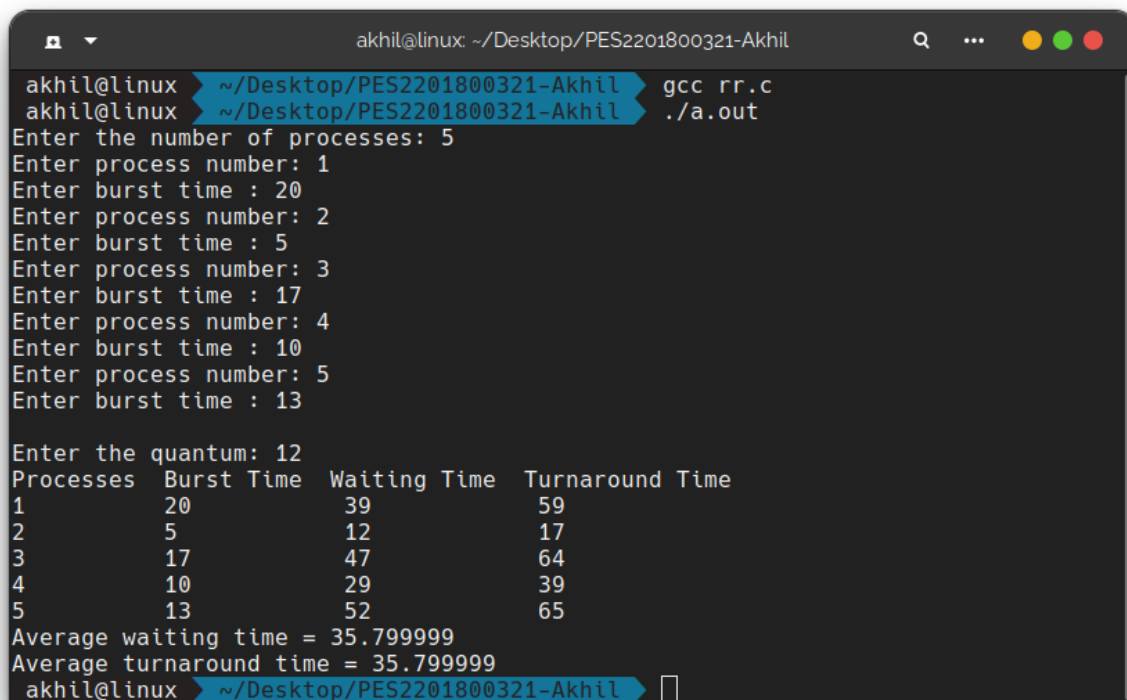


OS LAB WEEK - 5

1. Time quantum = 12

OUTPUT:



```
akhil@linux ~/Desktop/PES2201800321-Akhil
akhil@linux ~/Desktop/PES2201800321-Akhil gcc rr.c
akhil@linux ~/Desktop/PES2201800321-Akhil ./a.out
Enter the number of processes: 5
Enter process number: 1
Enter burst time : 20
Enter process number: 2
Enter burst time : 5
Enter process number: 3
Enter burst time : 17
Enter process number: 4
Enter burst time : 10
Enter process number: 5
Enter burst time : 13

Enter the quantum: 12
Processes  Burst Time  Waiting Time  Turnaround Time
1           20         39                59
2           5          12                17
3          17         47                64
4          10         29                39
5          13         52                65
Average waiting time = 35.799999
Average turnaround time = 35.799999
akhil@linux ~/Desktop/PES2201800321-Akhil
```

The terminal window shows the execution of a Round Robin scheduling program. The user enters 5 processes with burst times 20, 5, 17, 10, and 13. The time quantum is set to 12. The output table shows the waiting and turnaround times for each process. The average waiting time and average turnaround time are both 35.799999.

Processes	Burst Time	Waiting Time	Turnaround Time
1	20	39	59
2	5	12	17
3	17	47	64
4	10	29	39
5	13	52	65

2. Time quantum = 4

OUTPUT:

```
akhil@linux ~/Desktop/PES2201800321-Akhil
akhil@linux ~/Desktop/PES2201800321-Akhil ./a.out
Enter the number of processes: 6
Enter process number: 1
Enter burst time : 5
Enter process number: 2
Enter burst time : 6
Enter process number: 3
Enter burst time : 3
Enter process number: 4
Enter burst time : 1
Enter process number: 5
Enter burst time : 5
Enter process number: 6
Enter burst time : 4

Enter the quantum: 4
Processes Burst Time Waiting Time Turnaround Time
1          5          16          21
2          6          17          23
3          3           8          11
4          1          11          12
5          5          19          24
6          4          16          20
Average waiting time = 14.500000
Average turnaround time = 14.500000
akhil@linux ~/Desktop/PES2201800321-Akhil
```