

**Test Cases:**

**CASE - 1:**

\_\_\_\_\_ROUND ROBIN SCHEDULING\_\_\_\_\_

Enter the number of processes: 5

Do you want to choose the time quantum or, should it be chosen randomly?

Press 'y' if you want to choose else, press 'n'

n

Do you want to choose the burst time or, should it be chosen randomly?

Press 'y' if you want to choose else, press 'n'

n

Assumptions:

- 1.All tasks arrive in the beginning.
- 2.Time quantum = 1 .

Task	Burst_Time	Waiting_Time	Turn_Around_time
A	15	53	68
B	20	61	81
C	11	42	53
D	17	59	76
E	18	61	79

Average Waiting time : 55.2

Average Turn\_Around time : 71.4

...\_\_\_\_\_

Run time of this code= 0.0001026368609018391 seconds

## CASE - 2:

### \_\_\_\_\_ROUND ROBIN SCHEDULING\_\_\_\_\_

Enter the number of processes: 4

Do you want to choose the time quantum or, should it be chosen randomly?

Press 'y' if you want to choose else, press 'n'

y

Enter the time quantum: 5

Do you want to choose the burst time or, should it be chosen randomly?

Press 'y' if you want to choose else, press 'n'

n

Assumptions:

- 1.All tasks arrive in the beginning.
- 2.Time quantum = 5 .

Task	Burst_Time	Waiting_Time	Turn_Around_time
A	17	40	57
B	10	20	30
C	17	42	59
D	15	40	55

Average Waiting time : 35.5

Average Turn\_Around time : 50.25

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Run time of this code= 2.7772328394348733e-05 seconds

### CASE – 3:

#### \_\_\_\_\_ROUND ROBIN SCHEDULING\_\_\_\_\_

Enter the number of processes: 4

Do you want to choose the time quantum or, should it be chosen randomly?

Press 'y' if you want to choose else, press 'n'

y

Enter the time quantum:

20

Do you want to choose the burst time or, should it be chosen randomly?

Press 'y' if you want to choose else, press 'n'

y

Enter the Burst time of task A :

53

Enter the Burst time of task B :

8

Enter the Burst time of task C :

68

Enter the Burst time of task D :

24

Assumptions:

1.All tasks arrive in the beginning.

2.Time quantum = 20 .

Task	Burst_Time	Waiting_Time	Turn_Around_time
A	53	72	125
B	8	20	28
C	68	85	153
D	24	88	112

Average Waiting time : 66.25

Average Turn\_Around time : 104.5

...\_\_\_\_\_

Run time of this code= 2.897981903515756e-05 seconds