

Sample output – 1:

ROUND ROBIN SCHEDULING

Enter the number of tasks: 5

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

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

y

The arrival time of A : 0

Enter the arrival time of task B : 7

Enter the arrival time of task C : 11

Enter the arrival time of task D : 13

Enter the arrival time of task E : 13

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: 4

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 : 11

Enter the Burst time of task B : 12

Enter the Burst time of task C : 3

Enter the Burst time of task D : 11

Enter the Burst time of task E : 6

Time quantum = 4 .

| Task | Arrival_Time | Burst_Time | Waiting_Time | Turn_Around_time |
|------|--------------|------------|--------------|------------------|
|------|--------------|------------|--------------|------------------|

| | | | | |
|---|----|----|----|----|
| A | 0 | 11 | 15 | 26 |
| B | 7 | 12 | 21 | 33 |
| C | 11 | 3 | 1 | 4 |
| D | 13 | 11 | 19 | 30 |
| E | 13 | 6 | 17 | 23 |

Average Waiting time : 14.6

Average Turn_Around time : 23.2

Sample output – 2:

_____ROUND ROBIN SCHEDULING_____

Enter the number of tasks: 5

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

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

n

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

Time quantum = 1 .

| Task | Arrival_Time | Burst_Time | Waiting_Time | Turn_Around_time |
|------|--------------|------------|--------------|------------------|
|------|--------------|------------|--------------|------------------|

| | | | | |
|---|----|----|----|----|
| A | 0 | 16 | 41 | 57 |
| B | 4 | 12 | 37 | 49 |
| C | 9 | 13 | 42 | 55 |
| D | 9 | 16 | 46 | 62 |
| E | 13 | 14 | 43 | 57 |

Average Waiting time : 41.8

Average Turn_Around time : 56.0

Sample output – 3:

_____ROUND ROBIN SCHEDULING_____

Enter the number of tasks: 5

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

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

n

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'

y

Enter the Burst time of task A : 10

Enter the Burst time of task B : 10

Enter the Burst time of task C : 10

Enter the Burst time of task D : 10

Enter the Burst time of task E : 10

Time quantum = 5 .

| Task | Arrival_Time | Burst_Time | Waiting_Time | Turn_Around_time |
|------|--------------|------------|--------------|------------------|
| A | 0 | 10 | 20 | 30 |
| B | 4 | 10 | 21 | 31 |
| C | 10 | 10 | 20 | 30 |
| D | 12 | 10 | 23 | 33 |
| E | 14 | 10 | 26 | 36 |

Average Waiting time : 22.0

Average Turn_Around time : 32.0