

```
root@v1712827685:~# ./a.out
Enter the number of processes: 4
Enter arrival time and burst time for process 1: 0 2
Enter arrival time and burst time for process 2: 2 4
Enter arrival time and burst time for process 3: 6 6
Enter arrival time and burst time for process 4: 8 8
```

Select Scheduling Algorithm:

1. FCFS
 2. SJF (Non-preemptive)
 3. Priority (Non-preemptive)
 4. Round Robin
- 2

Gantt Chart

```
-----
| P1 | P2 | P3 | P4 |
-----
0    2    6    12   20
```

Process Table:

PID	Arrival	Burst	Completion	Turnaround	Waiting
1	0	2	2	2	0
2	2	4	6	4	0
3	6	6	12	6	0
4	8	8	20	12	4

```
root@v1712827685:~# ./a.out
```

```
Enter the number of processes: 3
Enter arrival time and burst time for process 1: 0 5
Enter arrival time and burst time for process 2: 2 8
Enter arrival time and burst time for process 3: 6 4
```

Select Scheduling Algorithm:

1. FCFS
 2. SJF (Non-preemptive)
 3. Priority (Non-preemptive)
 4. Round Robin
- 3

```
Enter priority for process 1: 2
Enter priority for process 2: 1
Enter priority for process 3: 4
```

Gantt Chart

```
-----
| P1 | P2 | P3 |
-----
0    5   13   17
```

Process Table:

PID	Arrival	Burst	Completion	Turnaround	Waiting
1	0	5	5	5	0
2	2	8	13	11	3
3	6	4	17	11	7

```

root@v1712827685:~# ./a.out
Enter the number of processes: 4
Enter arrival time and burst time for process 1: 0 5
Enter arrival time and burst time for process 2: 1 10
Enter arrival time and burst time for process 3: 2 8
Enter arrival time and burst time for process 4: 3 9

```

Select Scheduling Algorithm:

1. FCFS
 2. SJF (Non-preemptive)
 3. Priority (Non-preemptive)
 4. Round Robin
- 1

Gantt Chart

```

-----
| P1 | P2 | P3 | P4 |
-----
0     5    15    23    32

```

Process Table:

PID	Arrival	Burst	Completion	Turnaround	Waiting
1	0	5	5	5	0
2	1	10	15	14	4
3	2	8	23	21	13
4	3	9	32	29	20

```

root@v1712827685:~# ./a.out
Enter the number of processes: 3
Enter arrival time and burst time for process 1: 0 5
Enter arrival time and burst time for process 2: 2 8
Enter arrival time and burst time for process 3: 6 4

```

Select Scheduling Algorithm:

1. FCFS
 2. SJF (Non-preemptive)
 3. Priority (Non-preemptive)
 4. Round Robin
- 4

Enter time quantum: 2

Gantt Chart

```

-----
| P1 | P2 | P3 |
-----
0     11    17    15

```

Process Table:

PID	Arrival	Burst	Completion	Turnaround	Waiting
1	0	5	11	11	6
2	2	8	17	15	7
3	6	4	15	9	5