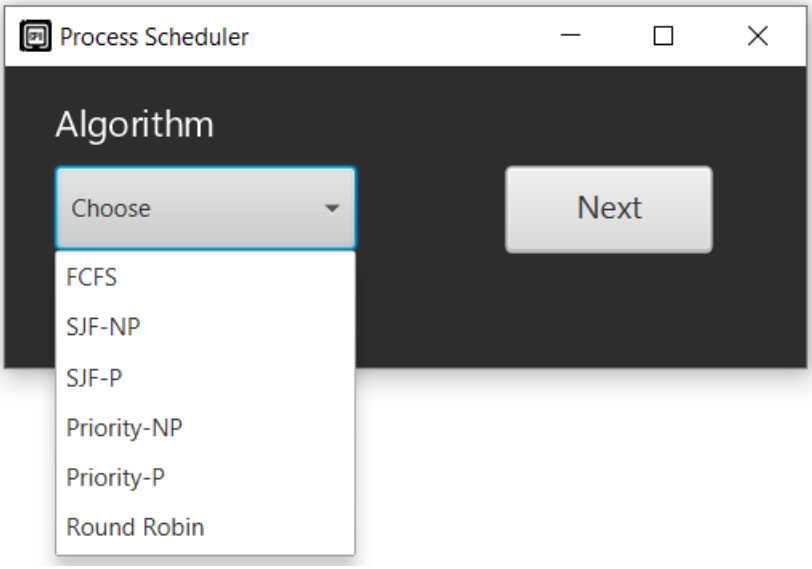
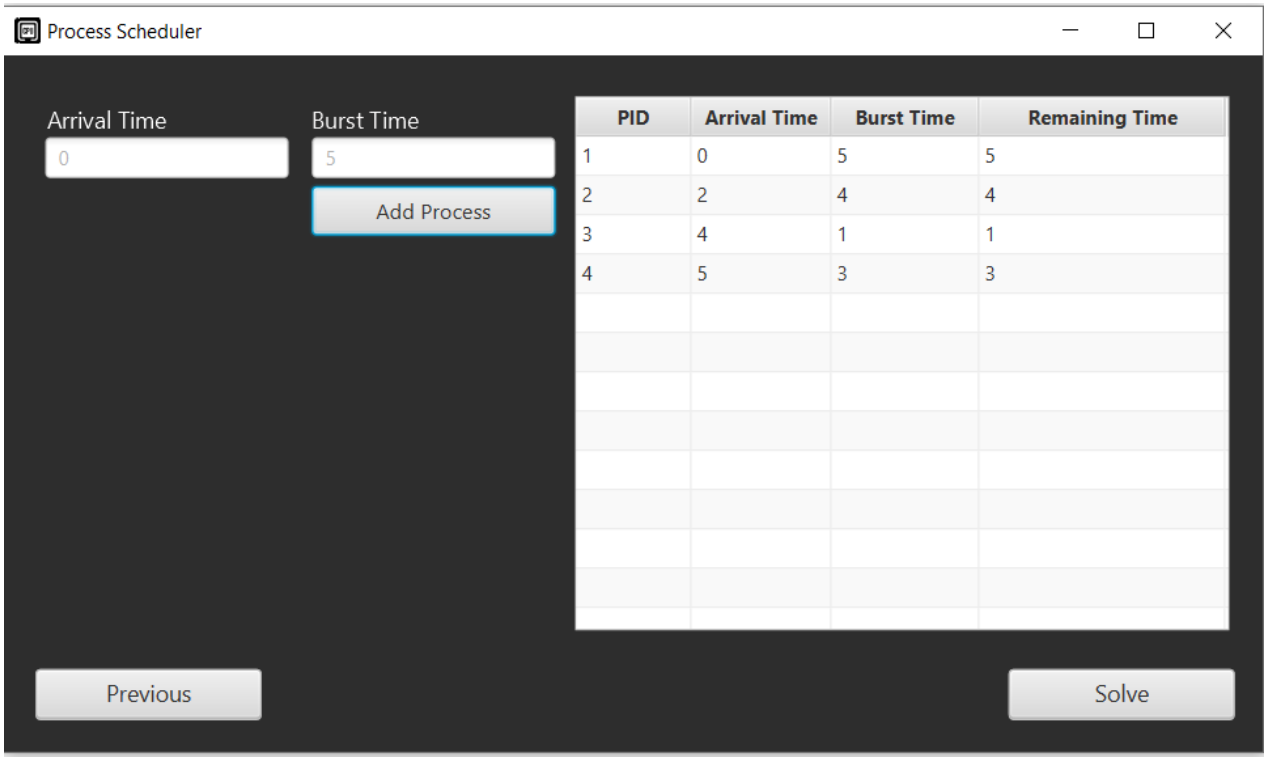
Names	ID
David Ayman Mahrous	1900904
Kerolos Sameh El-Shaip Boles	1900144
Nada Amin Abdelsattar	1900594
Kerollos George Sobhi	1900506
Mikhail Sobhy Morad	1900269
Mark Emad Kadies	1901510

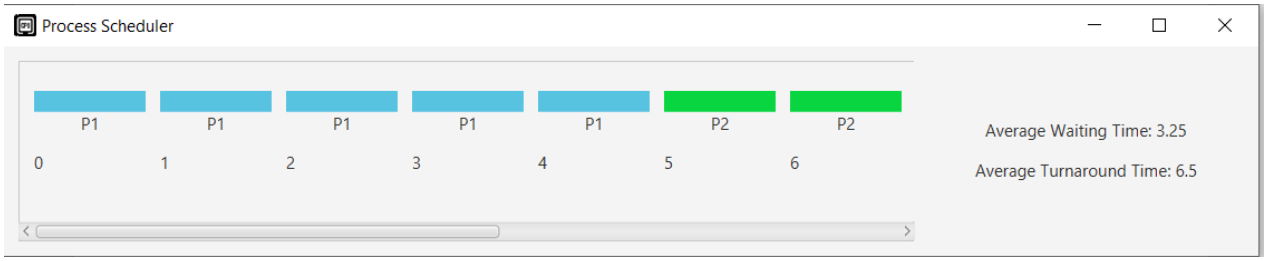
Screenshots:

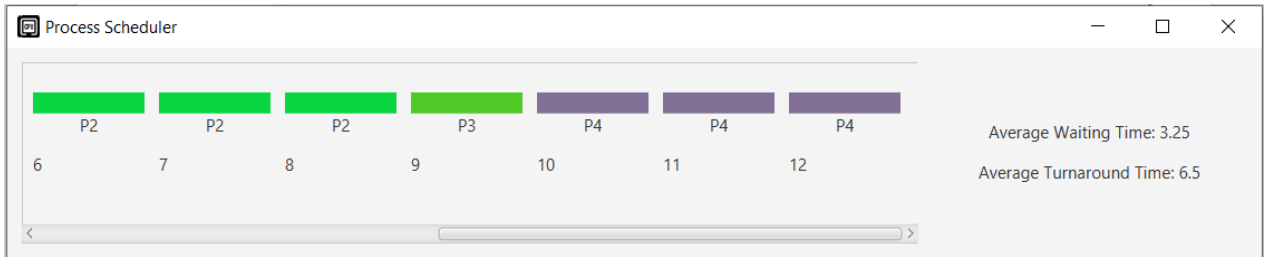
Process Scheduler:



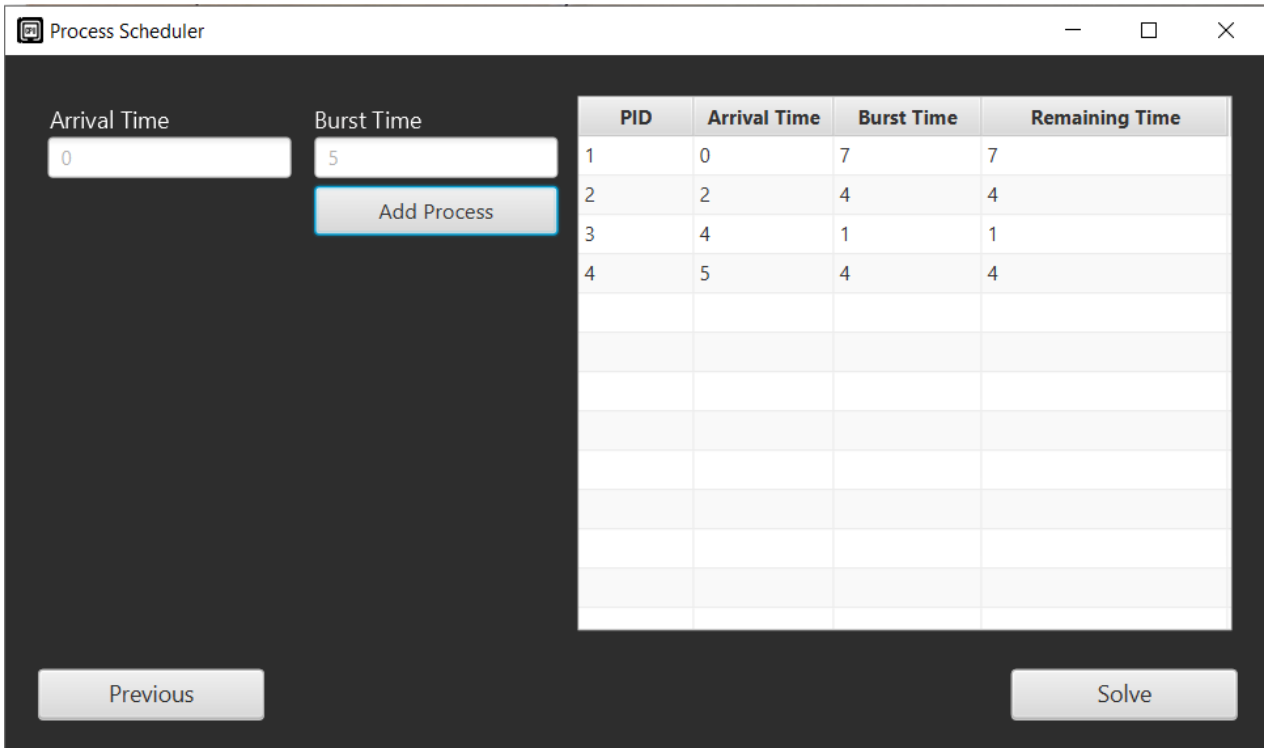
1. FCFS:

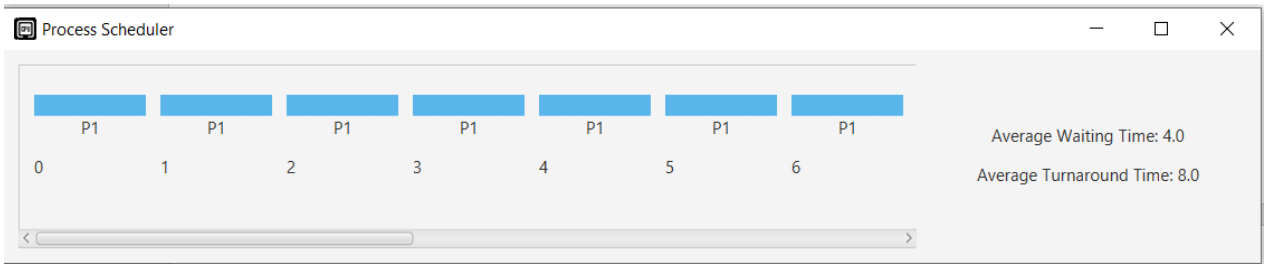

Process Scheduler
Arrival Time
0
Burst Time
5
Add Process
PID
Arrival Time
Burst Time
Remaining Time
1 0 5 5
2 2 4 4
3 4 1 1
4 5 3 3
Previous
Solve

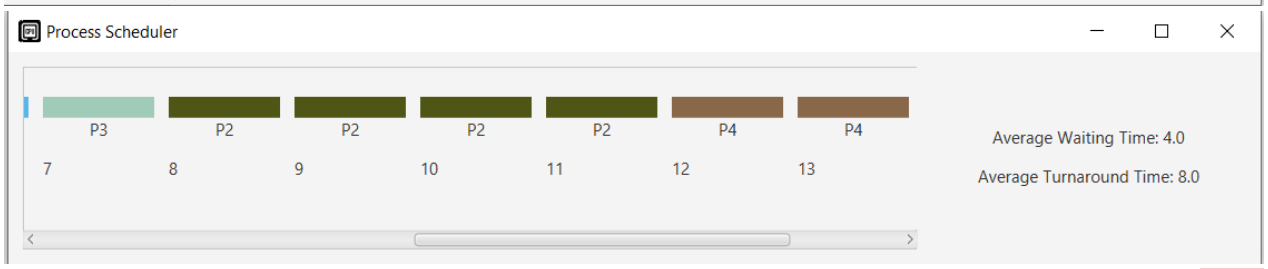

Process Scheduler
P1 P1 P1 P1 P1 P2 P2
0 1 2 3 4 5 6
Average Waiting Time: 3.25
Average Turnaround Time: 6.5

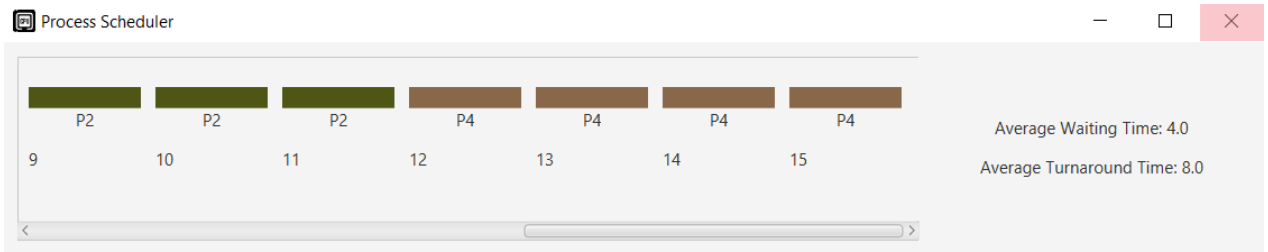

Process Scheduler
P2 P2 P2 P3 P4 P4 P4
6 7 8 9 10 11 12
Average Waiting Time: 3.25
Average Turnaround Time: 6.5

2. NP_SJF:

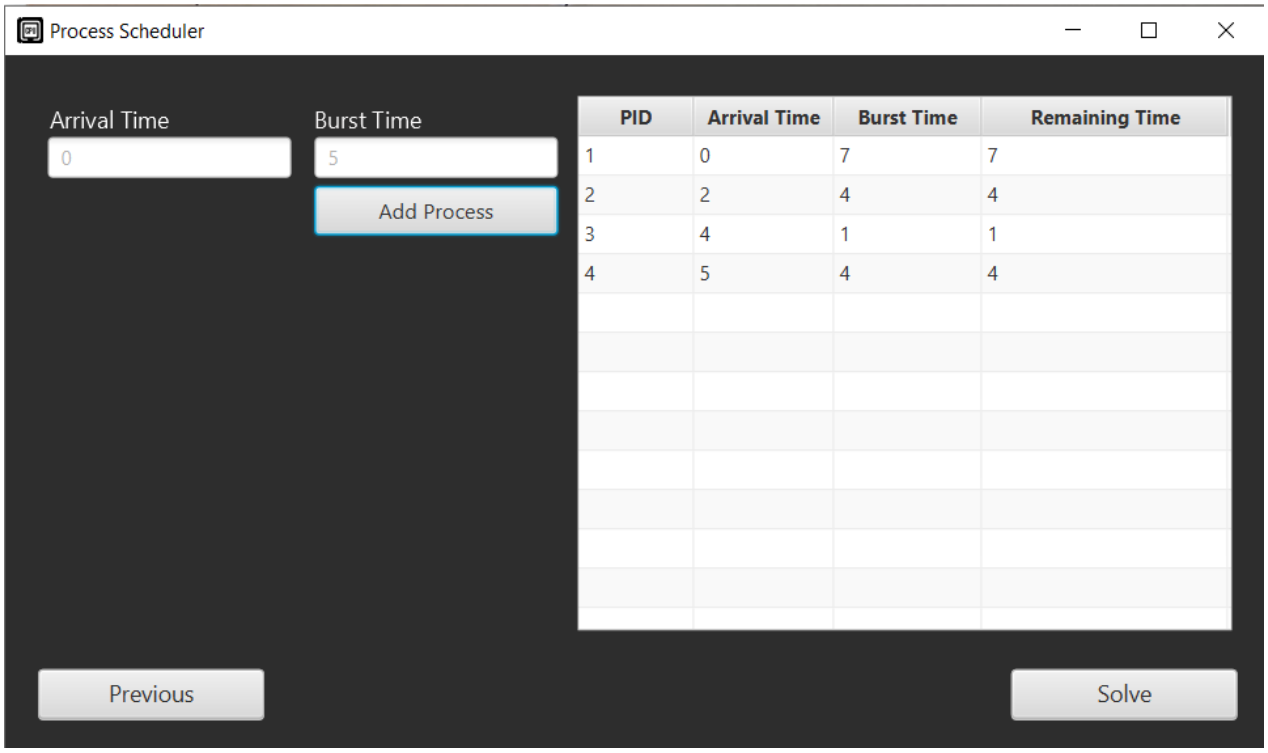

Process Scheduler
Arrival Time
0
Burst Time
5
Add Process
PID
Arrival Time
Burst Time
Remaining Time
1 0 7 7
2 2 4 4
3 4 1 1
4 5 4 4
Previous
Solve

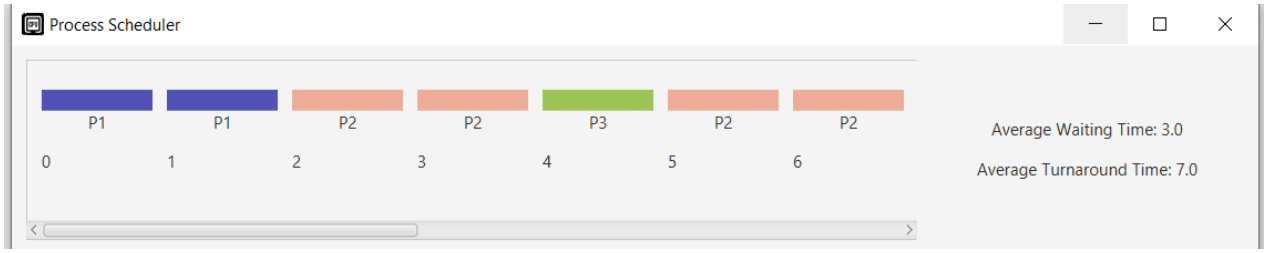

Process Scheduler
P1 P1 P1 P1 P1 P1 P1
0 1 2 3 4 5 6
Average Waiting Time: 4.0
Average Turnaround Time: 8.0

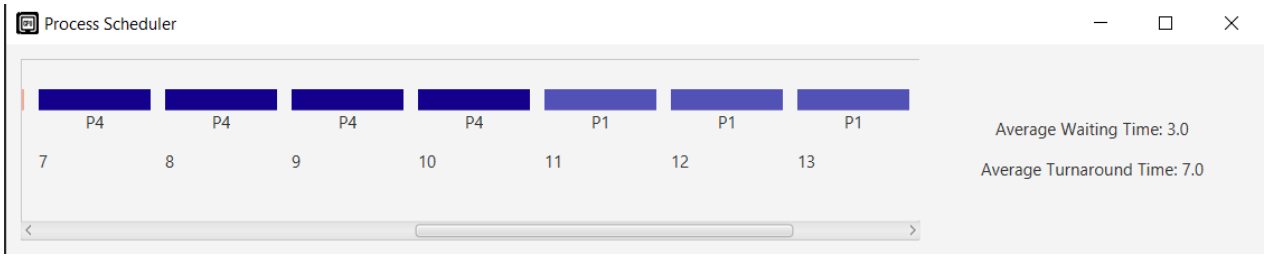

Process Scheduler
P3 P2 P2 P2 P2 P4 P4
7 8 9 10 11 12 13
Average Waiting Time: 4.0
Average Turnaround Time: 8.0

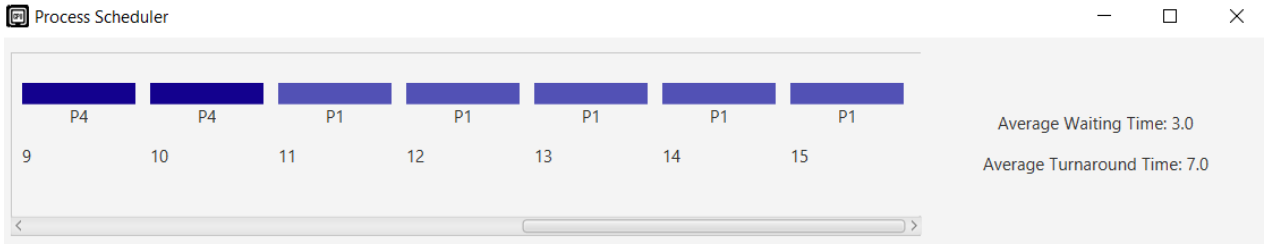

Process Scheduler
P2 P2 P2 P4 P4 P4 P4
9 10 11 12 13 14 15
Average Waiting Time: 4.0
Average Turnaround Time: 8.0

3. P_SJF:

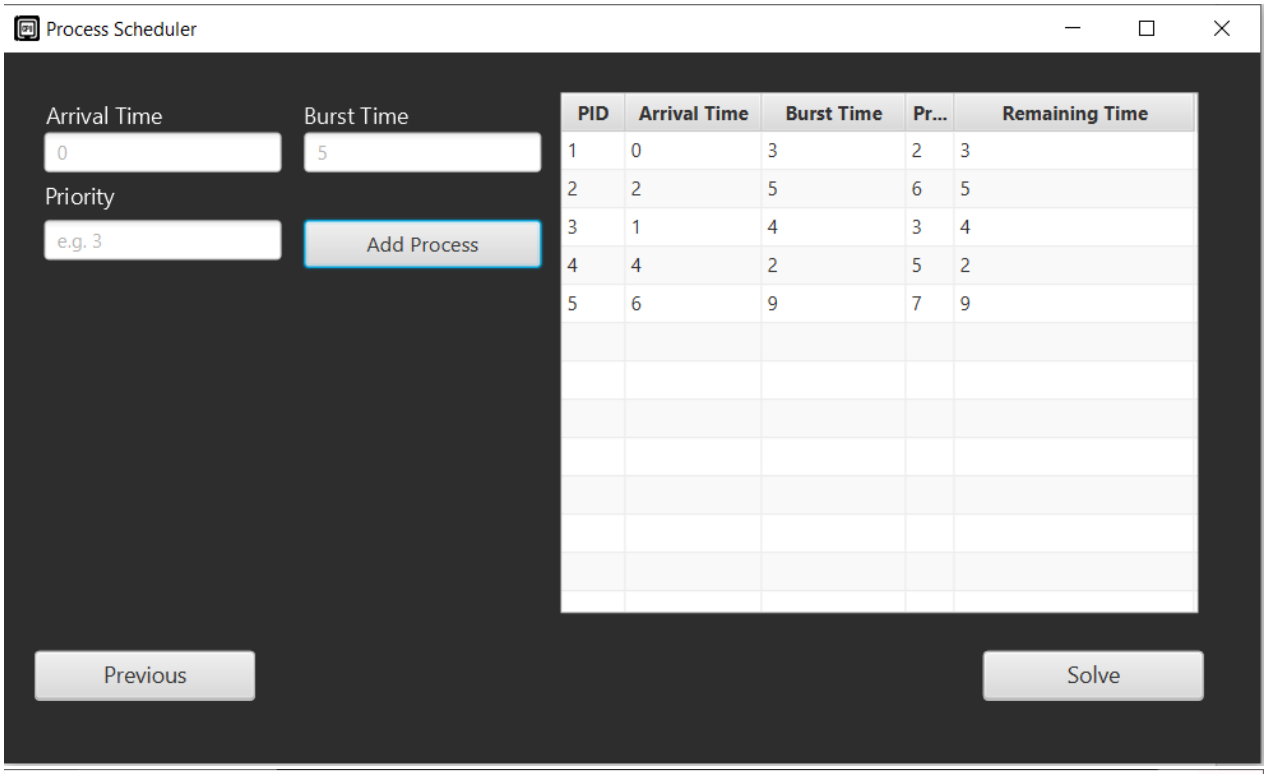

Process Scheduler
Arrival Time
0
Burst Time
5
Add Process
PID
Arrival Time
Burst Time
Remaining Time
1 0 7 7
2 2 4 4
3 4 1 1
4 5 4 4
Previous
Solve

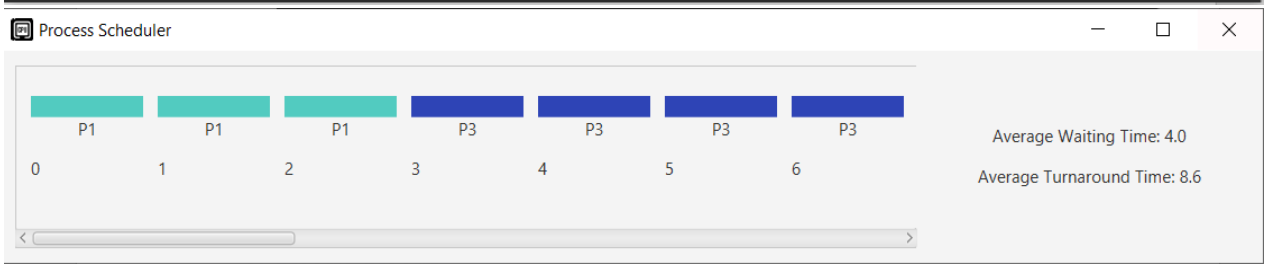

Process Scheduler
P1 P1 P2 P2 P3 P2 P2
0 1 2 3 4 5 6
Average Waiting Time: 3.0
Average Turnaround Time: 7.0

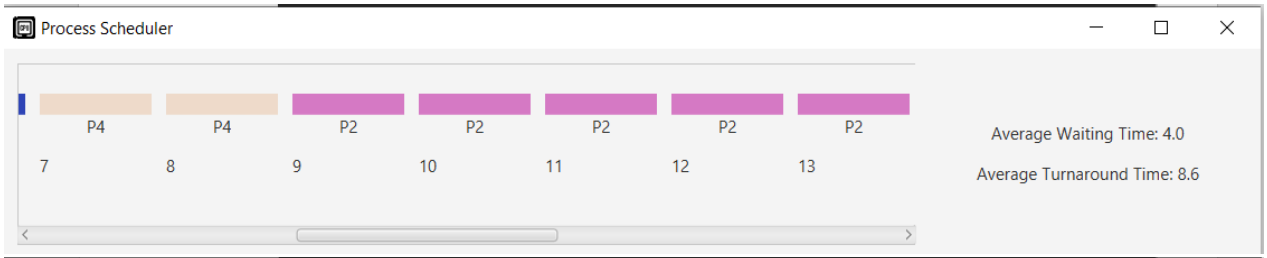

Process Scheduler
P4 P4 P4 P4 P1 P1 P1
7 8 9 10 11 12 13
Average Waiting Time: 3.0
Average Turnaround Time: 7.0

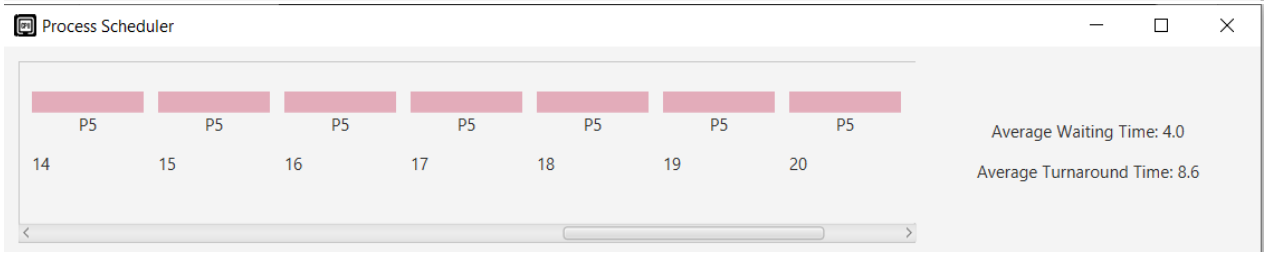

Process Scheduler
P4 P4 P1 P1 P1 P1 P1
9 10 11 12 13 14 15
Average Waiting Time: 3.0
Average Turnaround Time: 7.0

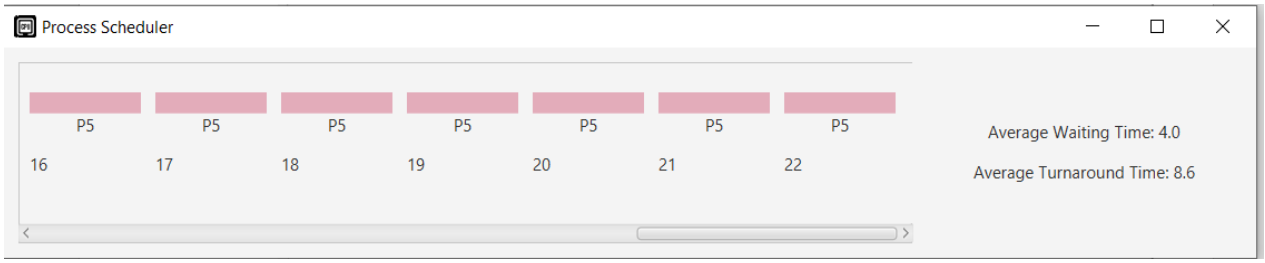
4. NP_Priority:



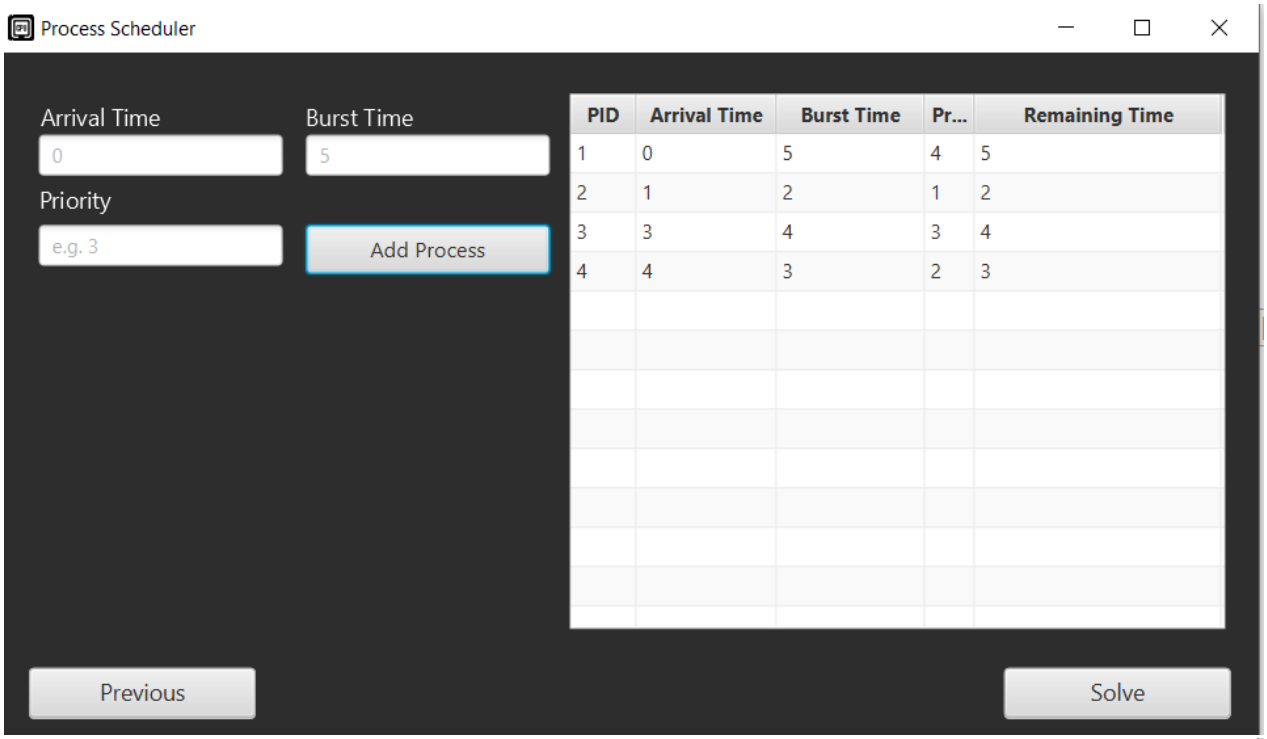


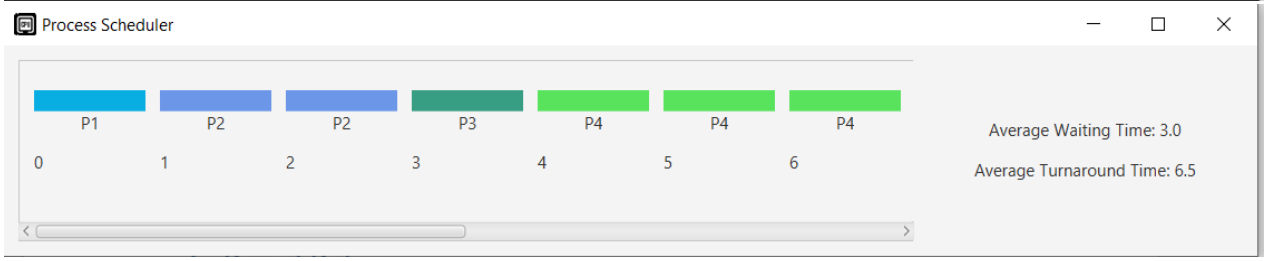


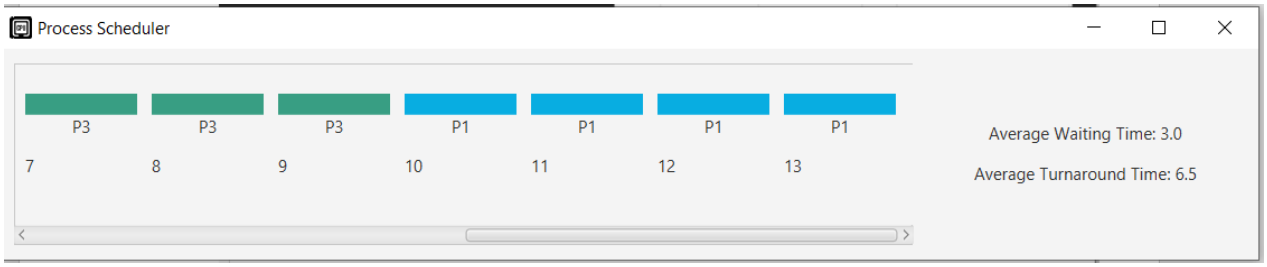



Process Scheduler
P5 P5 P5 P5 P5 P5 P5
16 17 18 19 20 21 22
Average Waiting Time: 4.0
Average Turnaround Time: 8.6

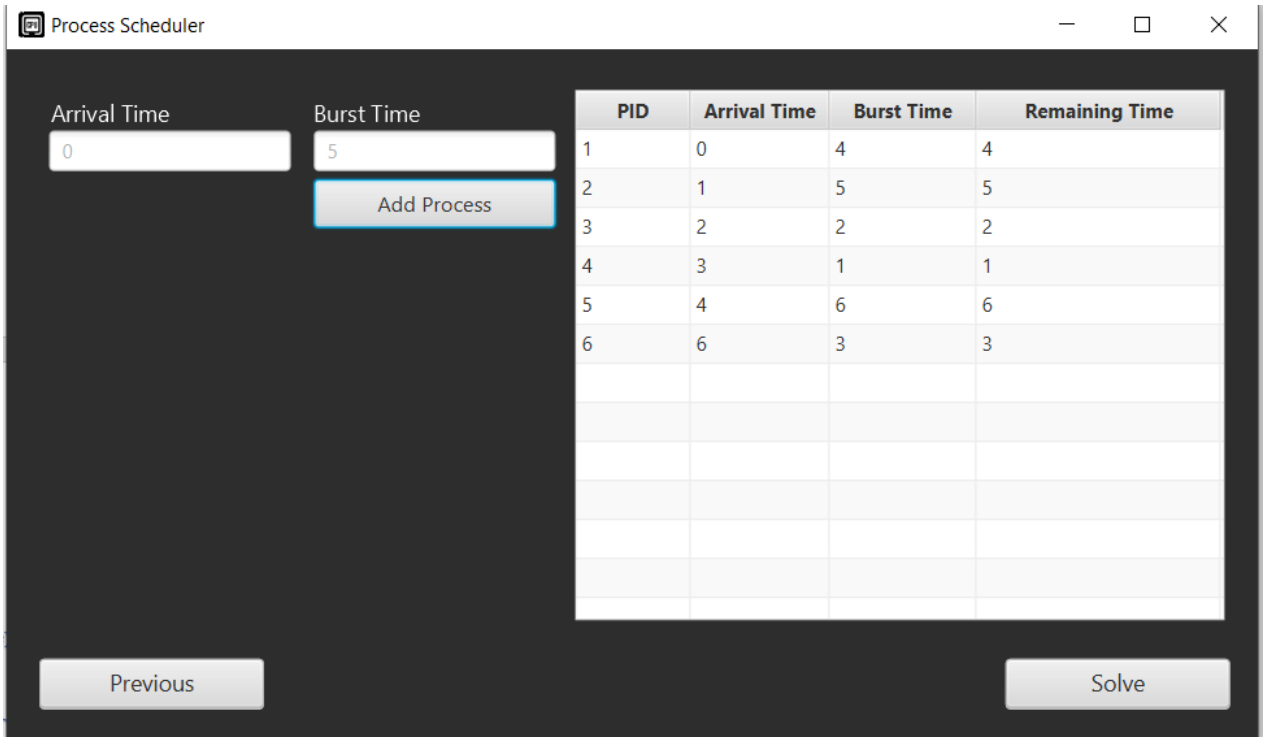
5. P_Priority:

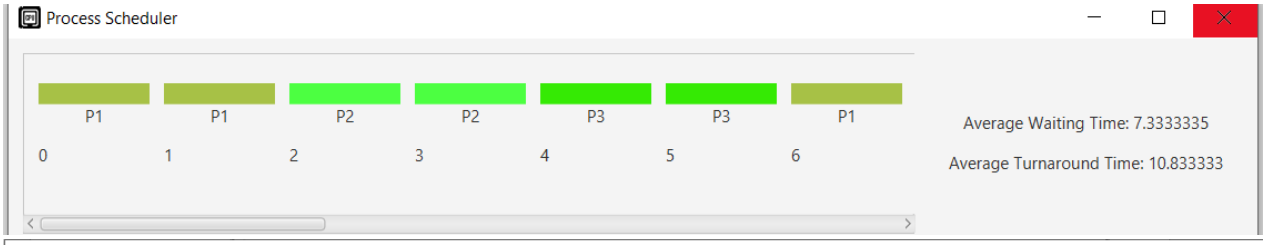

Process Scheduler
Arrival Time
0
Burst Time
5
Priority
e.g. 3
Add Process
PID Arrival Time Burst Time Pr... Remaining Time
1 0 5 4 5
2 1 2 1 2
3 3 4 3 4
4 4 3 2 3
Previous
Solve

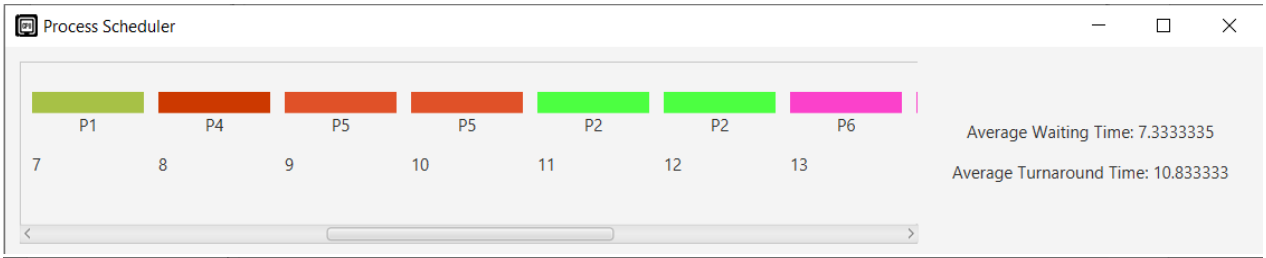

Process Scheduler
P1 P2 P2 P3 P4 P4 P4
0 1 2 3 4 5 6
Average Waiting Time: 3.0
Average Turnaround Time: 6.5

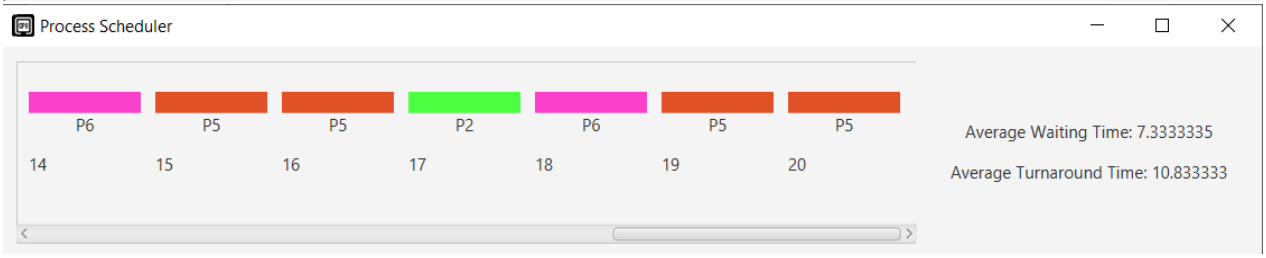

Process Scheduler
P3 P3 P3 P1 P1 P1 P1
7 8 9 10 11 12 13
Average Waiting Time: 3.0
Average Turnaround Time: 6.5

6. Round Robin:









exe Link:

https://bit.ly/3NmJOIk

jar Link:

https://bit.ly/44fFFvS

Code Files Link:

https://bit.ly/41OksYu