



*Ain Shams University*

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*Computer and System Department*

# **REPORT**

## **The scheduler Assignment**

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# Manual

- 1-User enter No. of process,Burst Time,Arrival Time.(if he choose the priority Algorithm then he must enter the priority).
- 2-User should press Add to add a process or select a process from table if he want to delete a process or clear all the table.
- 3-Then he choose an algorithm and then press Run.

## Schedule supported :

- 1-FCFS.
- 2-SJF(Preemptive).
- 3-SJF(Non Preemptive).
- 4-Priority (Preemptive).
- 5-Priority (Non Preemptive).
- 6-Round Robin.

## Bonus :

- 1-We calculated the average turn around time.

# A.FCFS:

Process:

No.of process

Brust

Arrival Time

☐ Priority

Type of schedulers:

FCFS

ADD

Clear

Clear All

RUN

Waiting Time

Turnaround Time

3.6

6.0

1 from 0 to 2

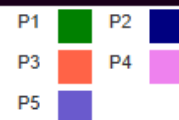
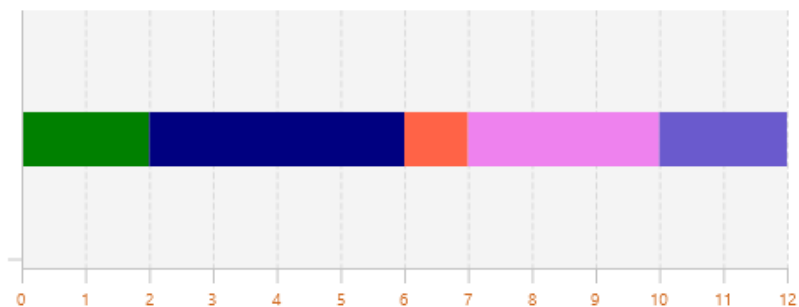
2 from 2 to 6

3 from 6 to 7

4 from 7 to 10

5 from 10 to 12

Name	CPU Brust	Arrival Time
1	2	0
2	4	0
3	1	2
4	3	2
5	2	3



## B.SJF(non preemptive):

Process:

No.of process

Brust

Arrival Time

☐ Priority

Type of schedulers:  
SJF(Non Preemptive)

ADD

Clear

Clear All

RUN

Waiting Time

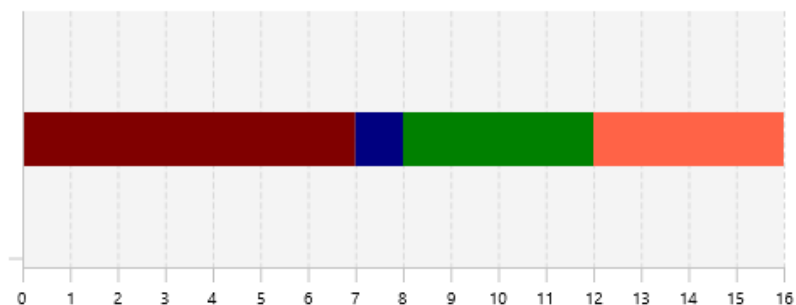
Turnaround Time

Gantt Chart

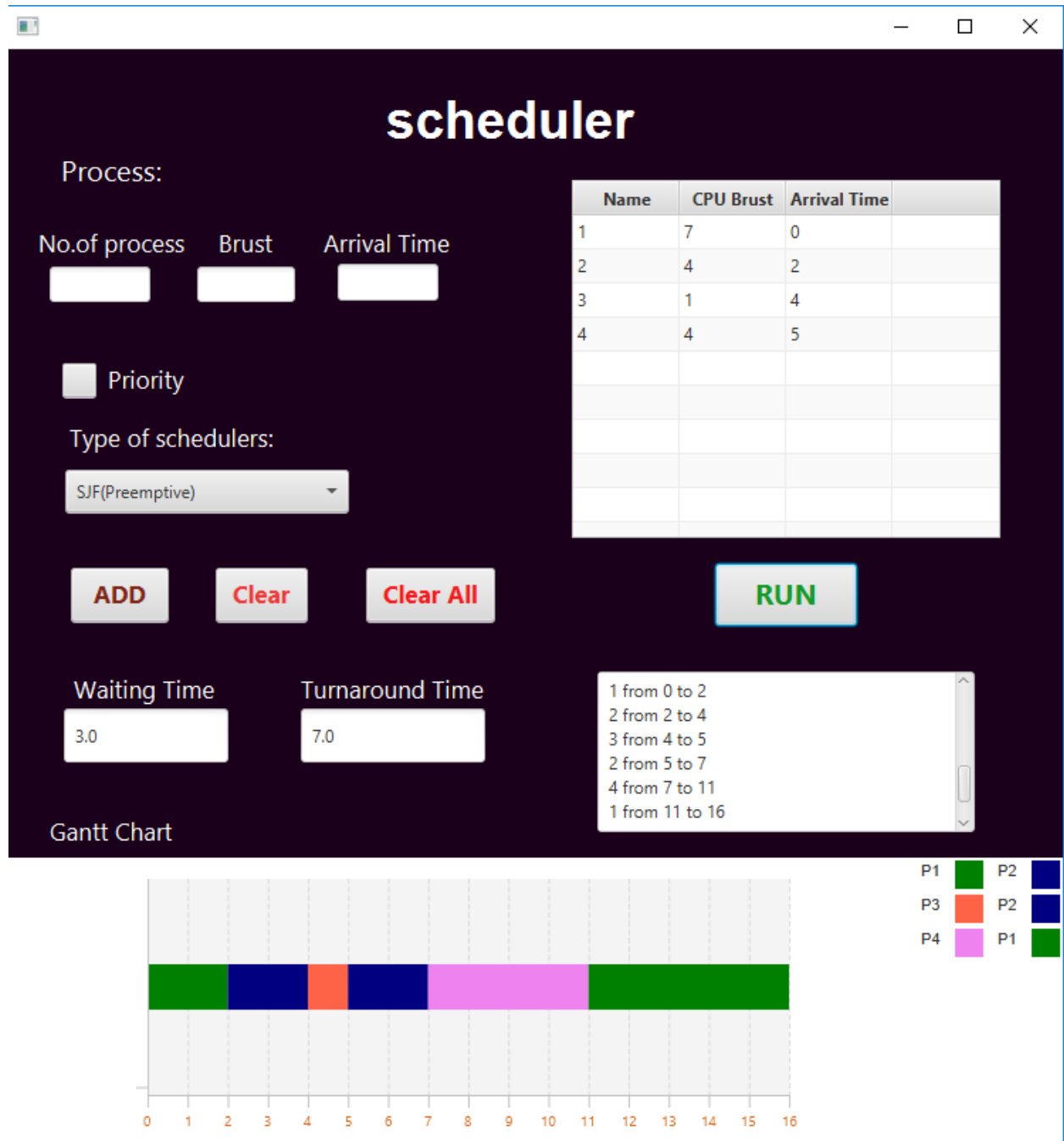
Name	CPU Brust	Arrival Time	
0	7	0	
1	4	2	
2	1	4	
3	4	5	

2 from 0 to 1  
1 from 1 to 11  
5 from 11 to 16  
3 from 16 to 18  
4 from 18 to 19

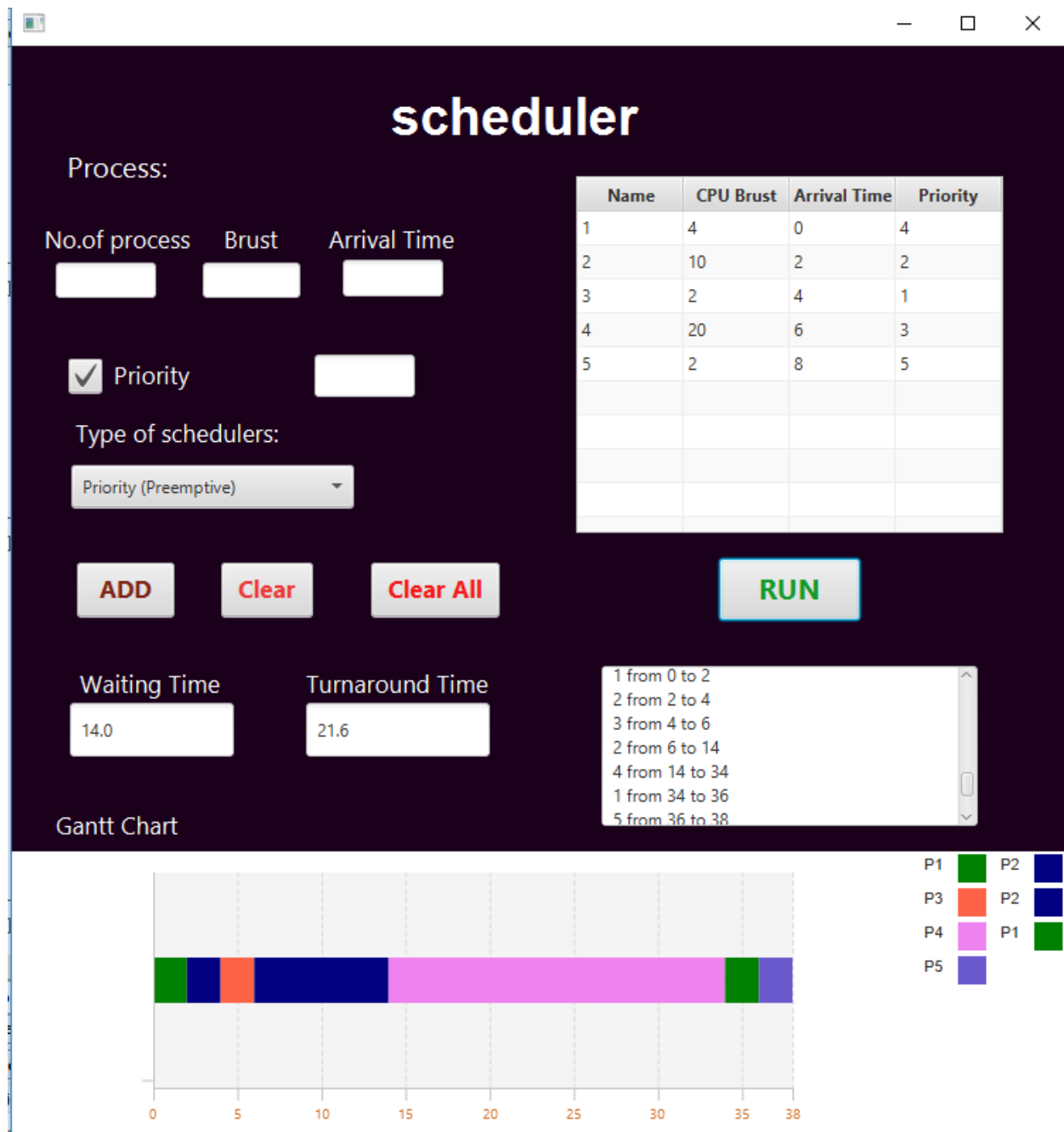
P0 ■ P2 ■  
P1 ■ P3 ■



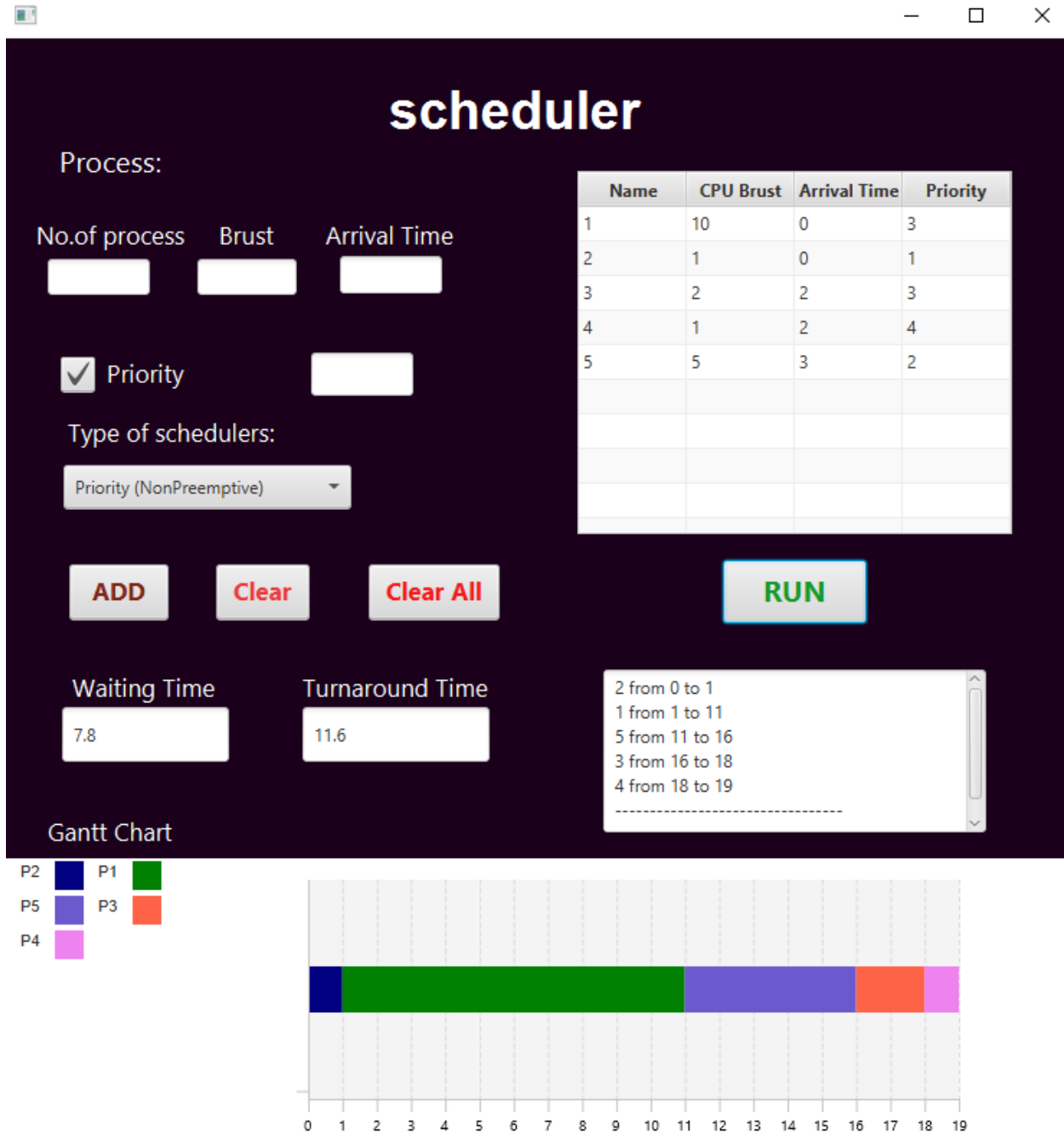
# C.SJF(preemptive):



## D.Priority(preemptive):



## E.Priority(non preemptive):



# F.RoundRobin:

