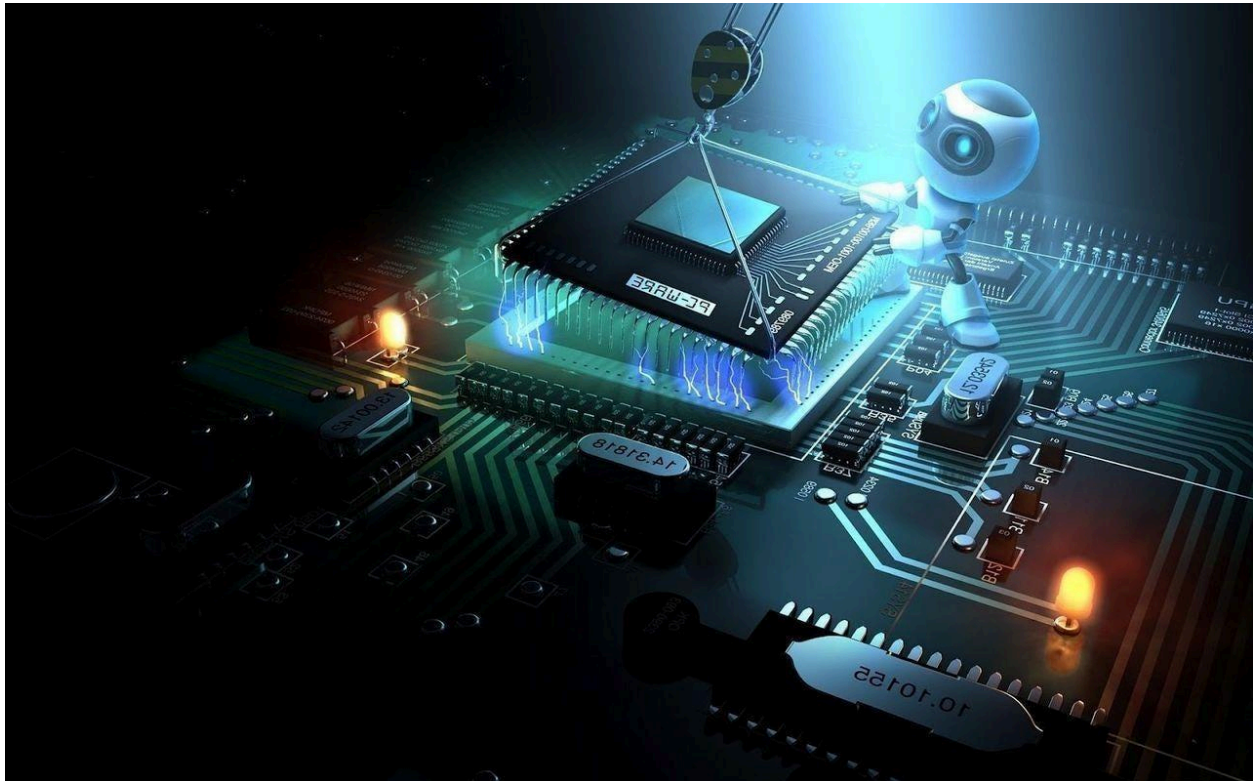
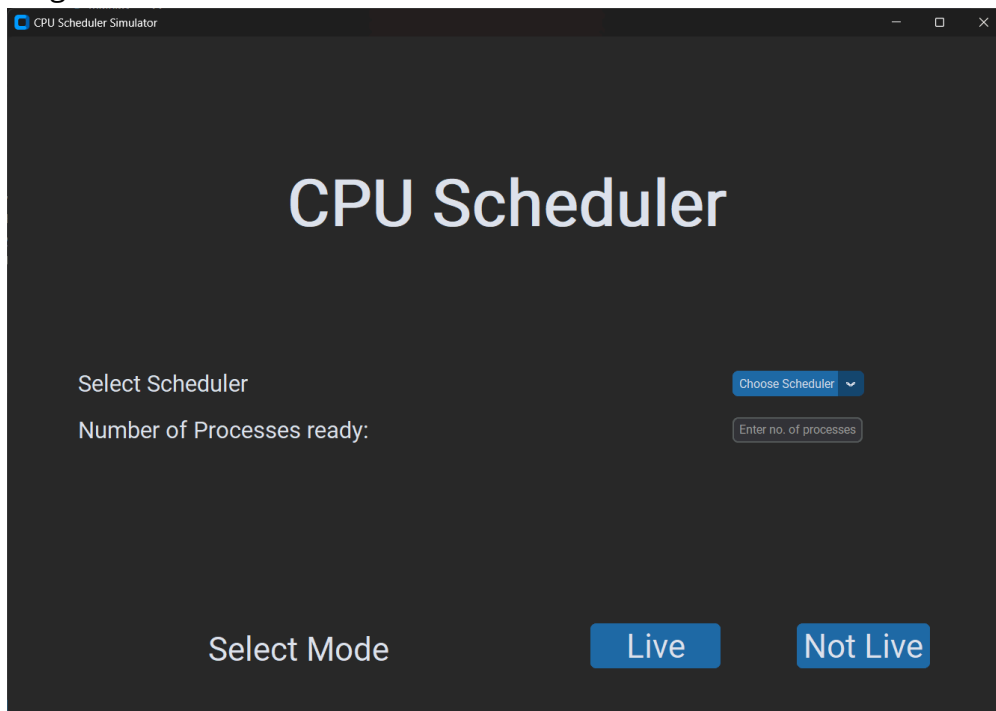


## CPU Scheduler



Name	ID
Abdelrahman Ibrahim Abdulaziz Salem	2000925
Ahmed AbdelRahman Ahmed AbdelRahman	2002126
Mohamed Yasser Mohamed ElShahat	2002085
Marten Ehab Fouad Askander	2101642
Omar Salah Mansour Abdelkader	2002081

1) Program main window:

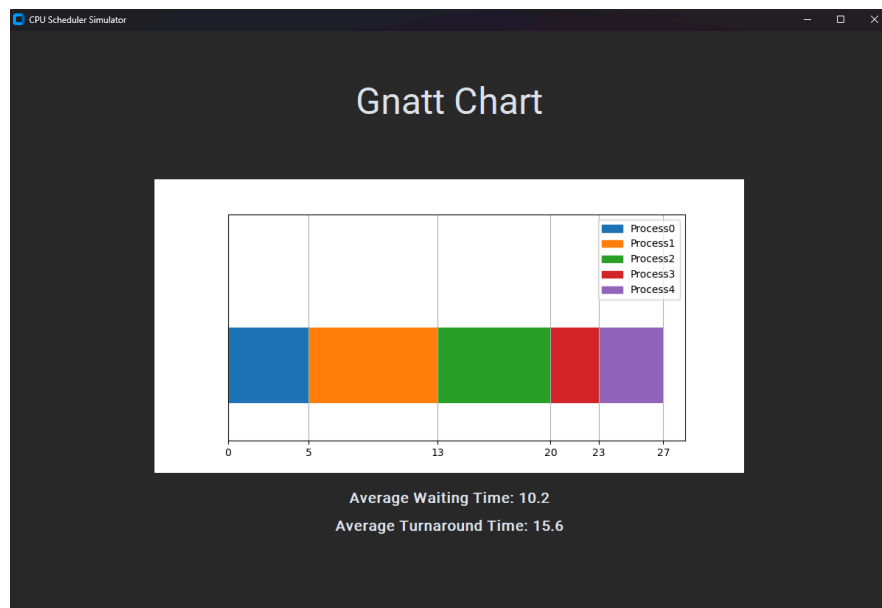


2) Non-Live Scheduling

- FCFS

The "Process Input" window has a dark background. It contains a table with three columns: "Process ID", "Arrival Time", and "Burst Time". The table lists five processes: P0, P1, P2, P3, and P4. Below the table is a "Schedule" button.

Process ID	Arrival Time	Burst Time
P0:	0	5
P1:	1	8
P2:	2	7
P3:	3	3
P4:	4	4

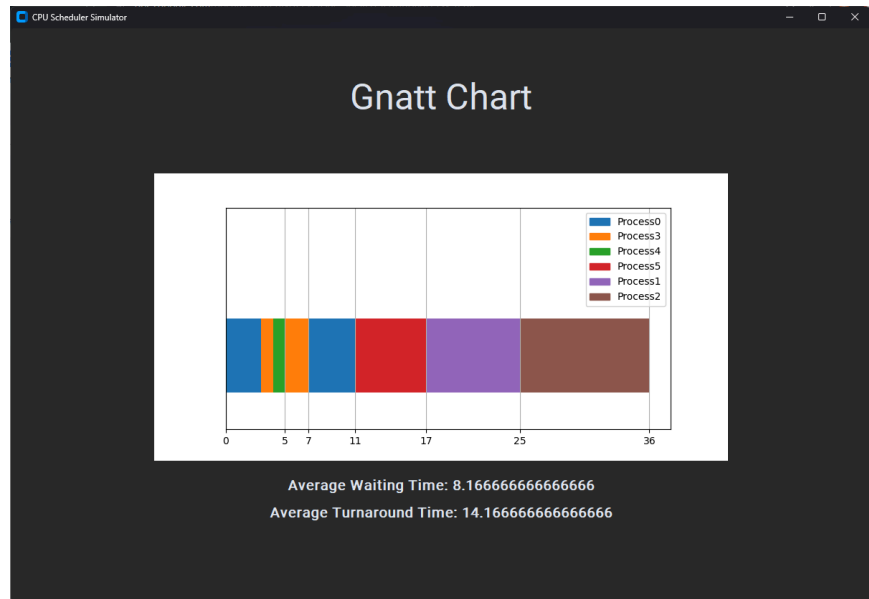


- SJF (Preemptive)

Process Input

Process ID	Arrival Time	Burst Time
P0:	0	7
P1:	1	8
P2:	2	11
P3:	3	3
P4:	4	1
P5:	6	4

Schedule

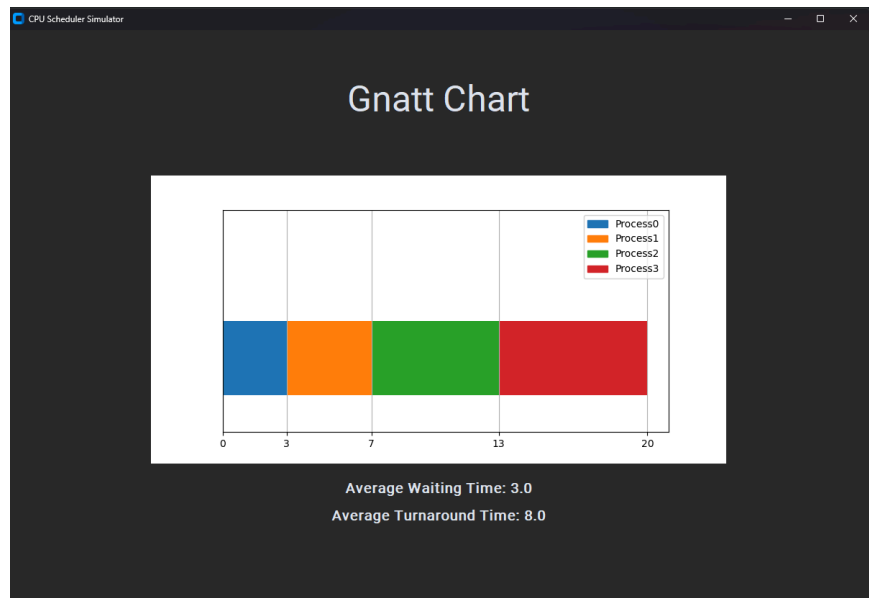


- SJF (Non-Preemptive)

Process Input

Process ID	Arrival Time	Burst Time
P0:	0	3
P1:	2	4
P2:	4	6
P3:	5	7

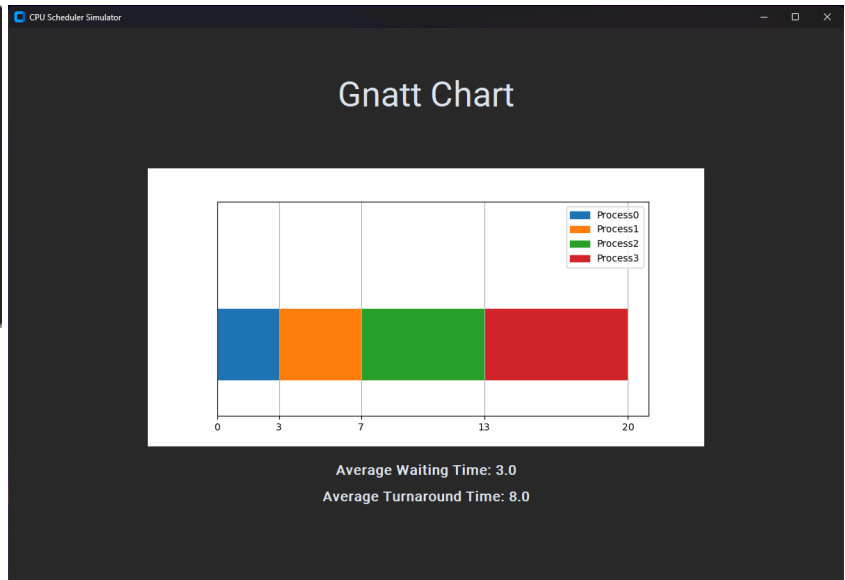
Schedule



- Priority (Preemptive)

Process ID	Arrival Time	Burst Time	Priority
P0:	0	3	1
P1:	2	4	2
P2:	4	6	2
P3:	5	7	3

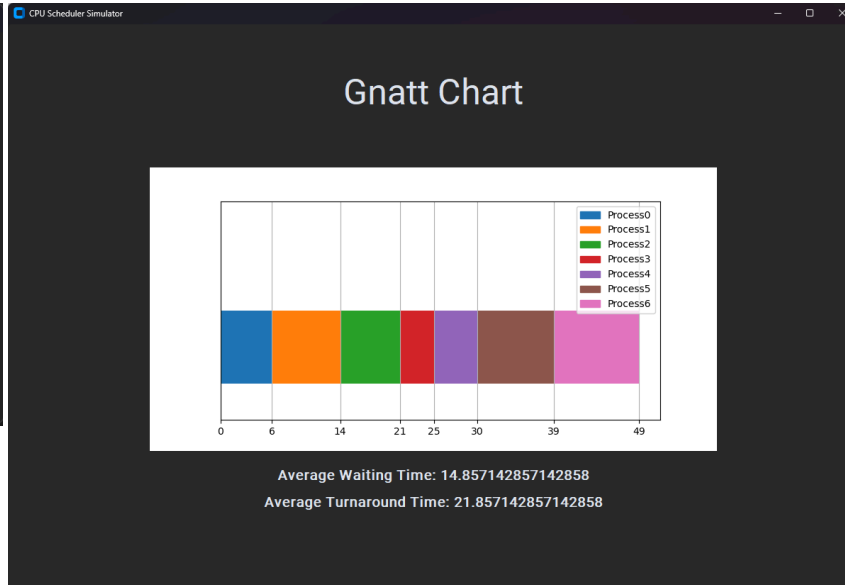
Schedule



- Priority (Non-Preemptive)

Process ID	Arrival Time	Burst Time	Priority
P0:	0	6	1
P1:	1	8	1
P2:	3	7	2
P3:	4	4	2
P4:	5	5	3
P5:	7	9	3
P6:	11	10	4

Schedule



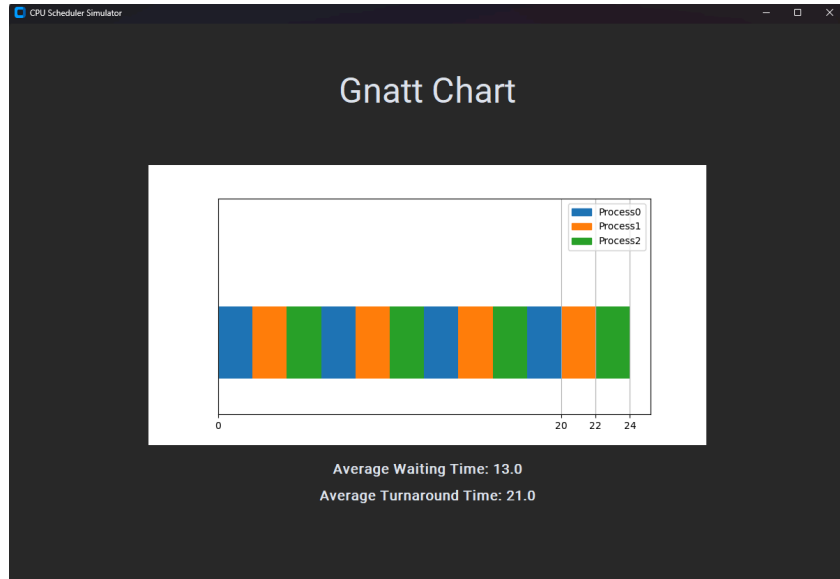
- Round Robin

Process Input

	Process ID	Arrival Time	Burst Time
P0:	0		8
P1:	1		8
P2:	2		8

4

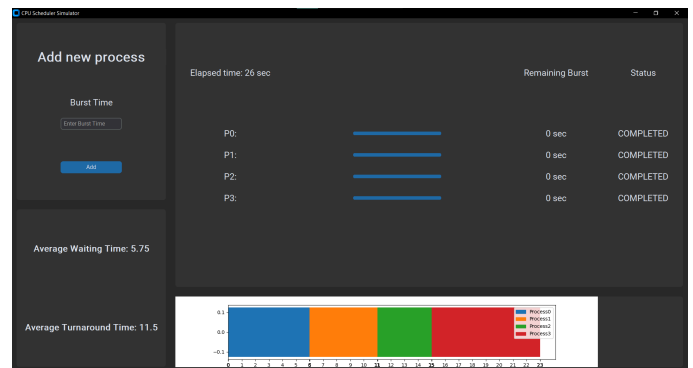
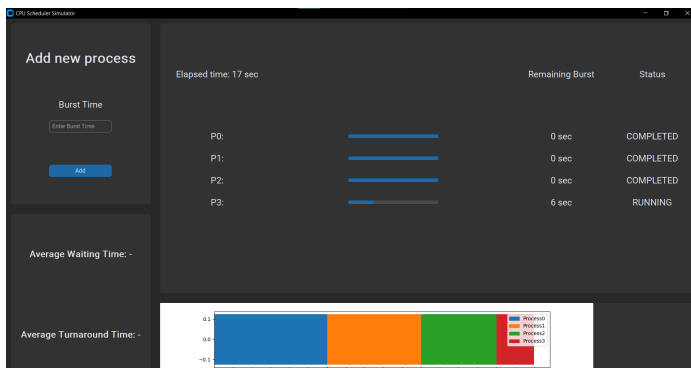
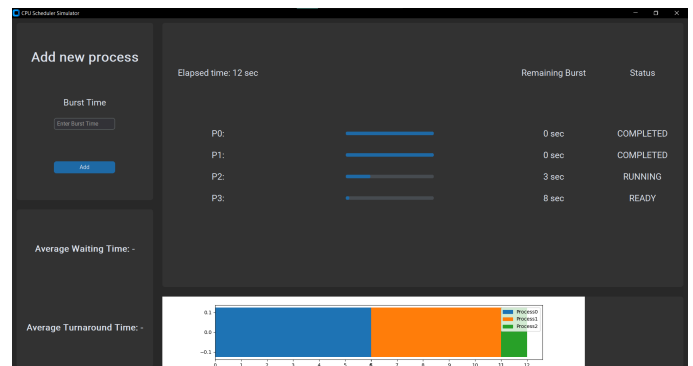
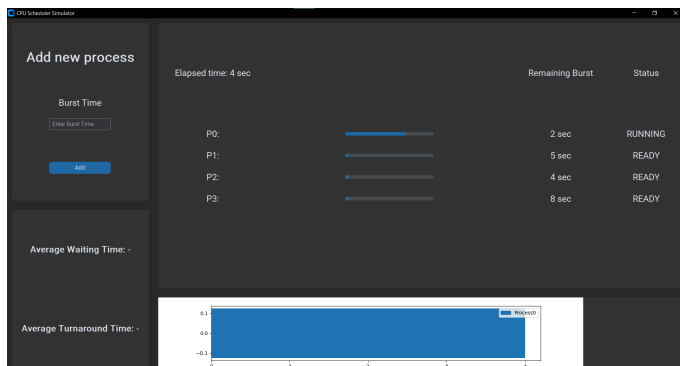
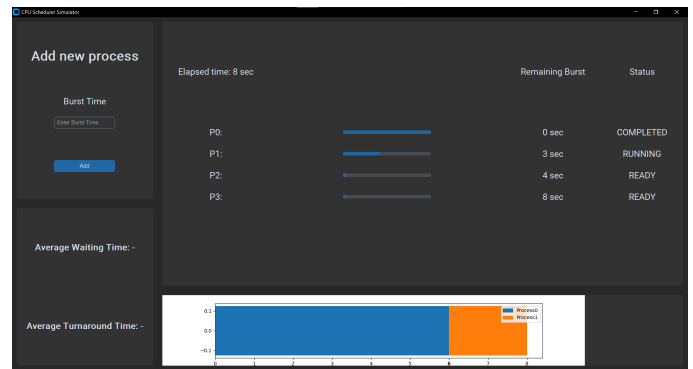
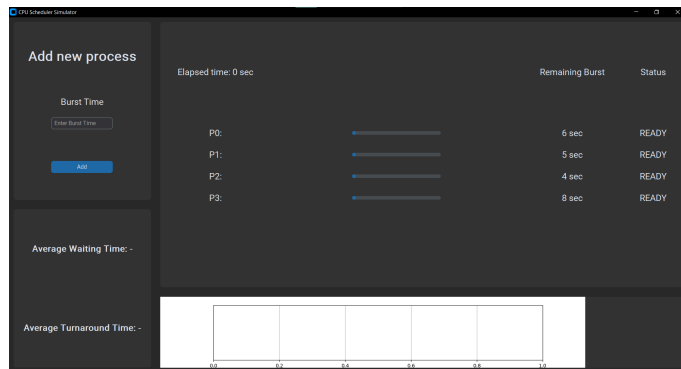
Schedule



### 3) Live Scheduling

- FCFS
- SJF (Preemptive)
- SJF (Non-Preemptive)
- Priority (Preemptive)
- Priority (Non-Preemptive)
- Round Robin

#### FCFS :

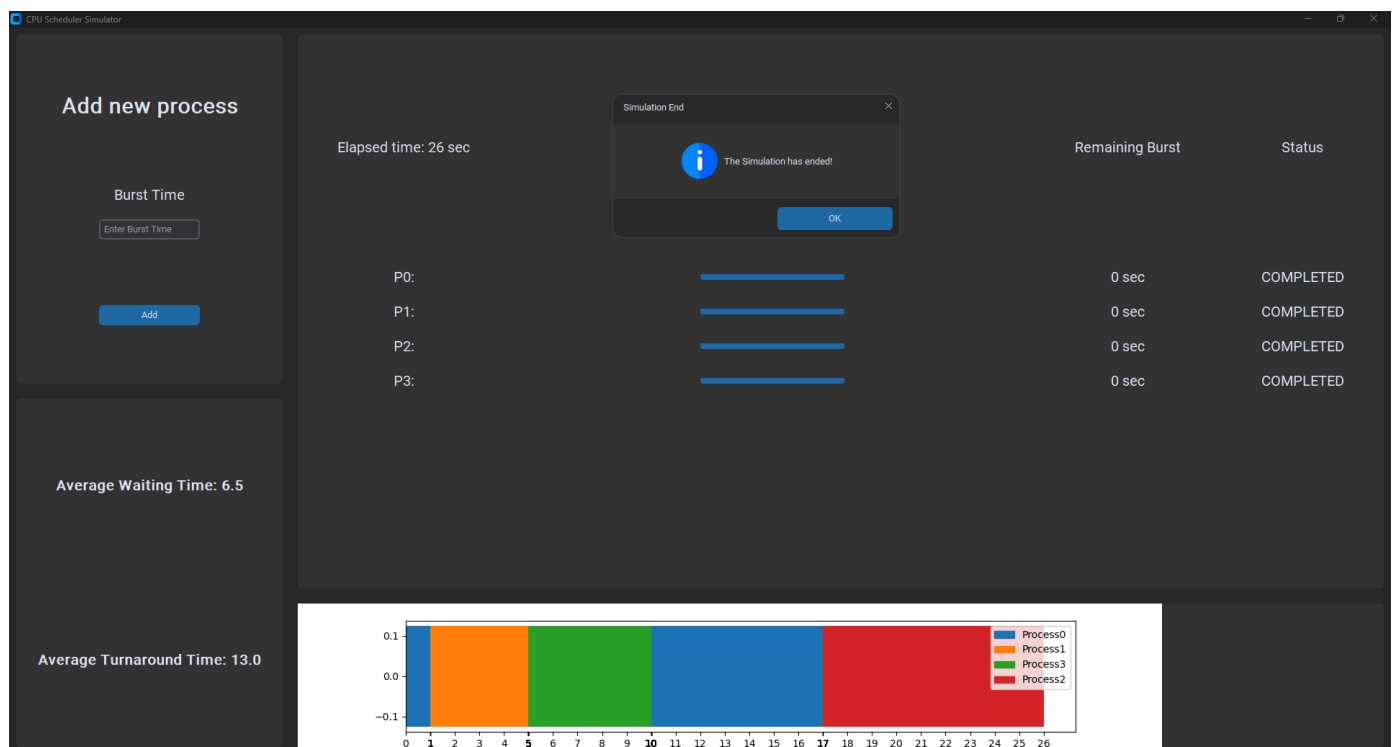
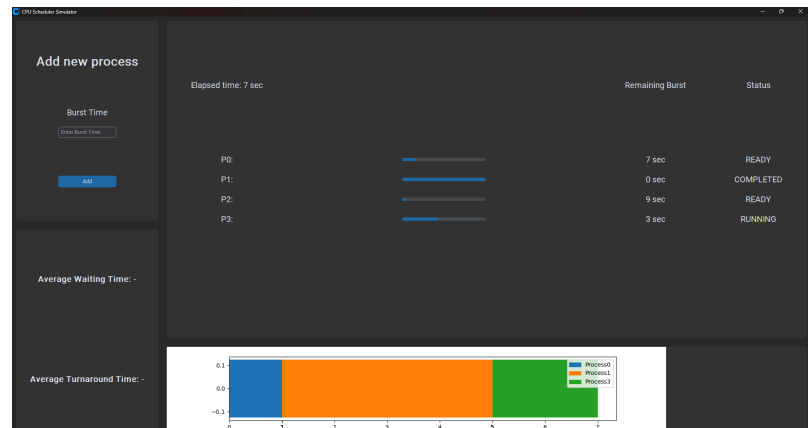


## SJF (Preemptive):

Process Input

	Process ID	Arrival Time	Burst Time
P0:	0	0	8
P1:	1	1	4
P2:	2	2	9
P3:	3	3	5

Schedule

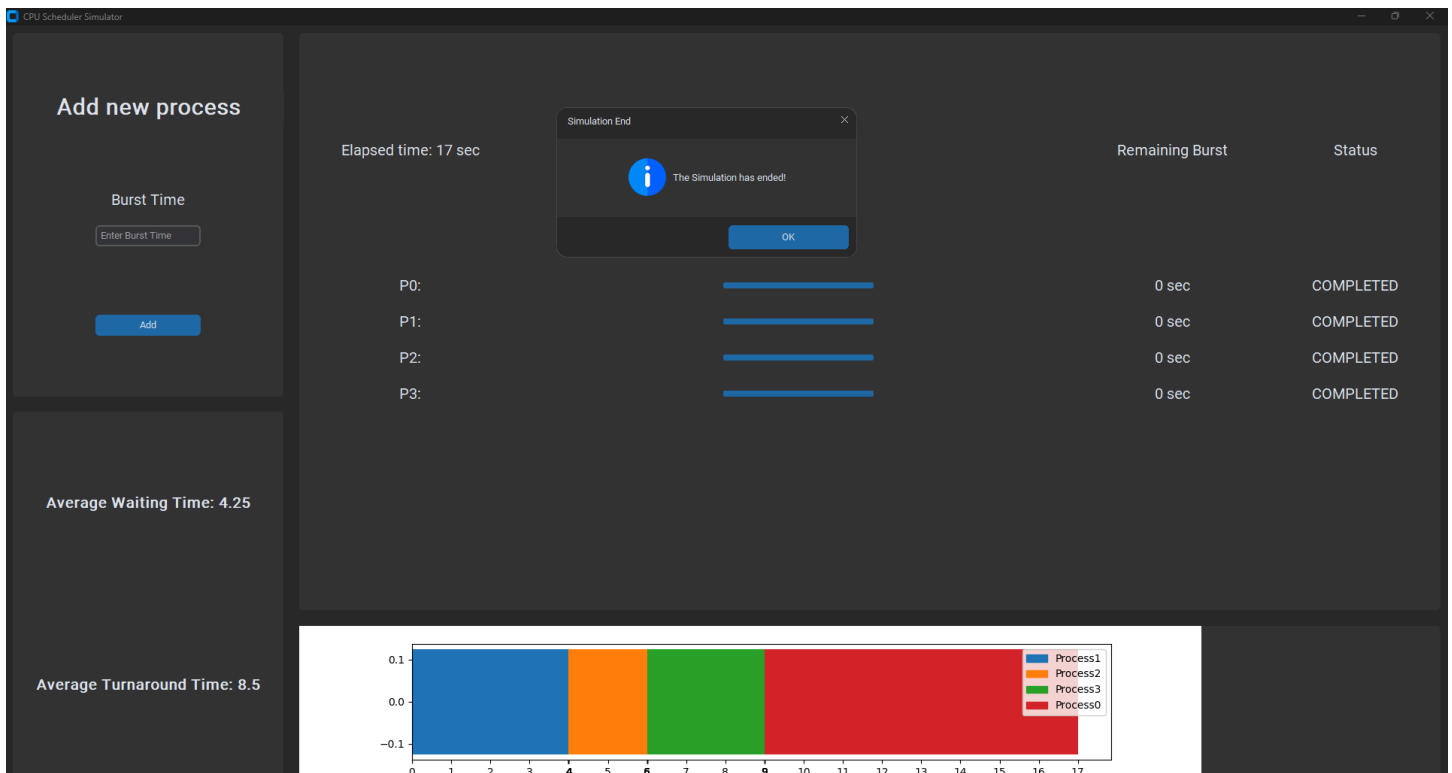
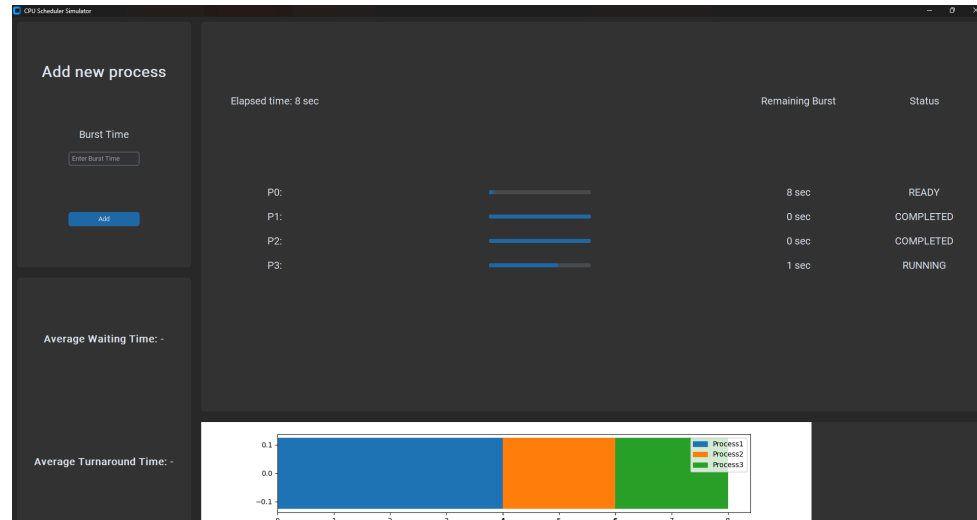


## SJF (Non-Preemptive):

**Process Input**

	Process ID	Arrival Time	Burst Time
P0:	0	0	8
P1:	0	0	4
P2:	1	1	2
P3:	1	1	3

**Schedule**



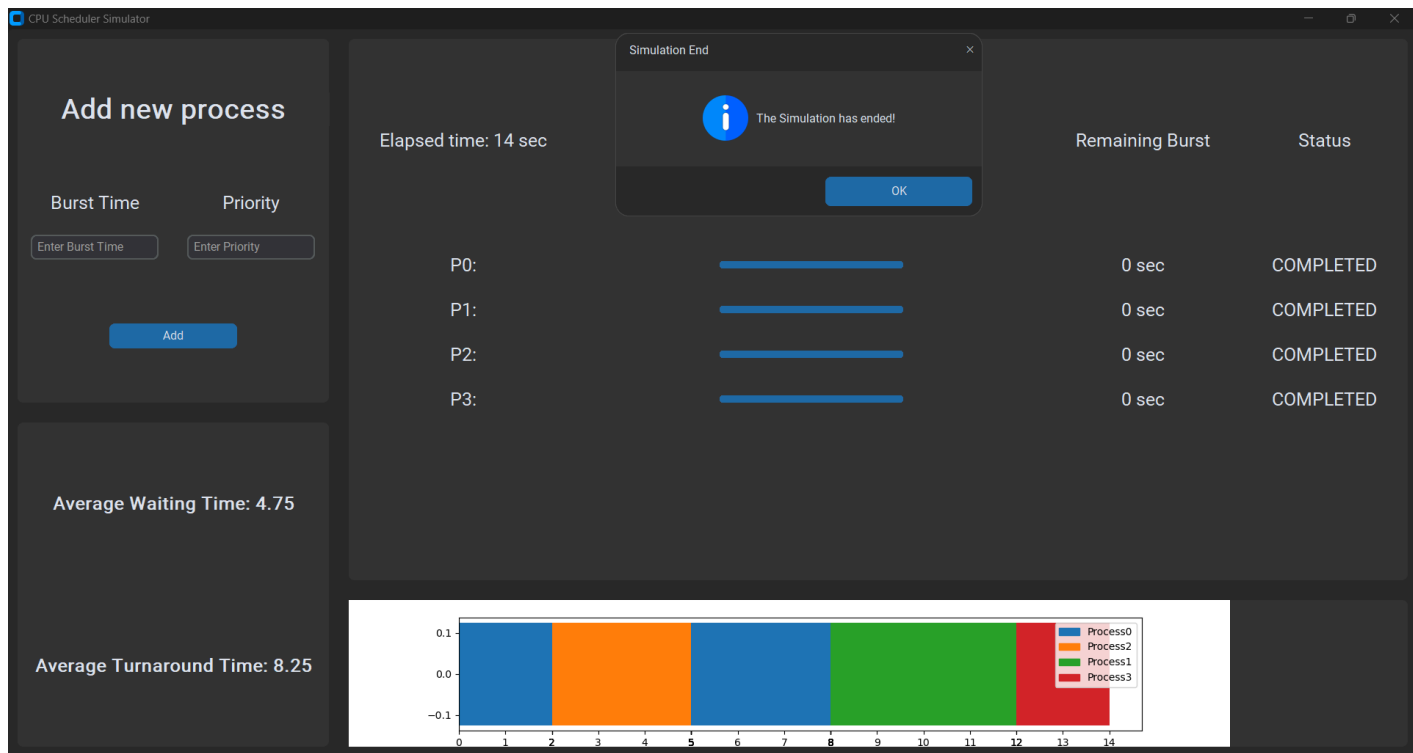
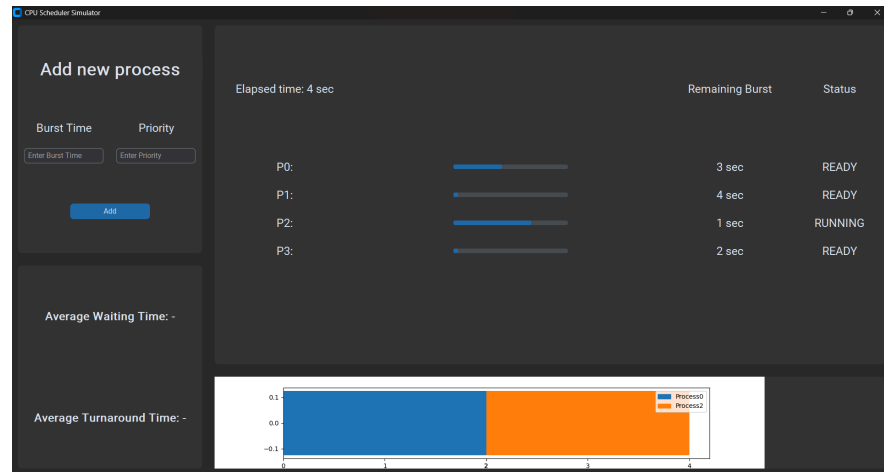


## Priority(Preemptive):

Process Input

	Process ID	Arrival Time	Burst Time	Priority
P0:	0	0	5	2
P1:	1	1	4	3
P2:	2	2	3	1
P3:	3	3	2	4

Schedule

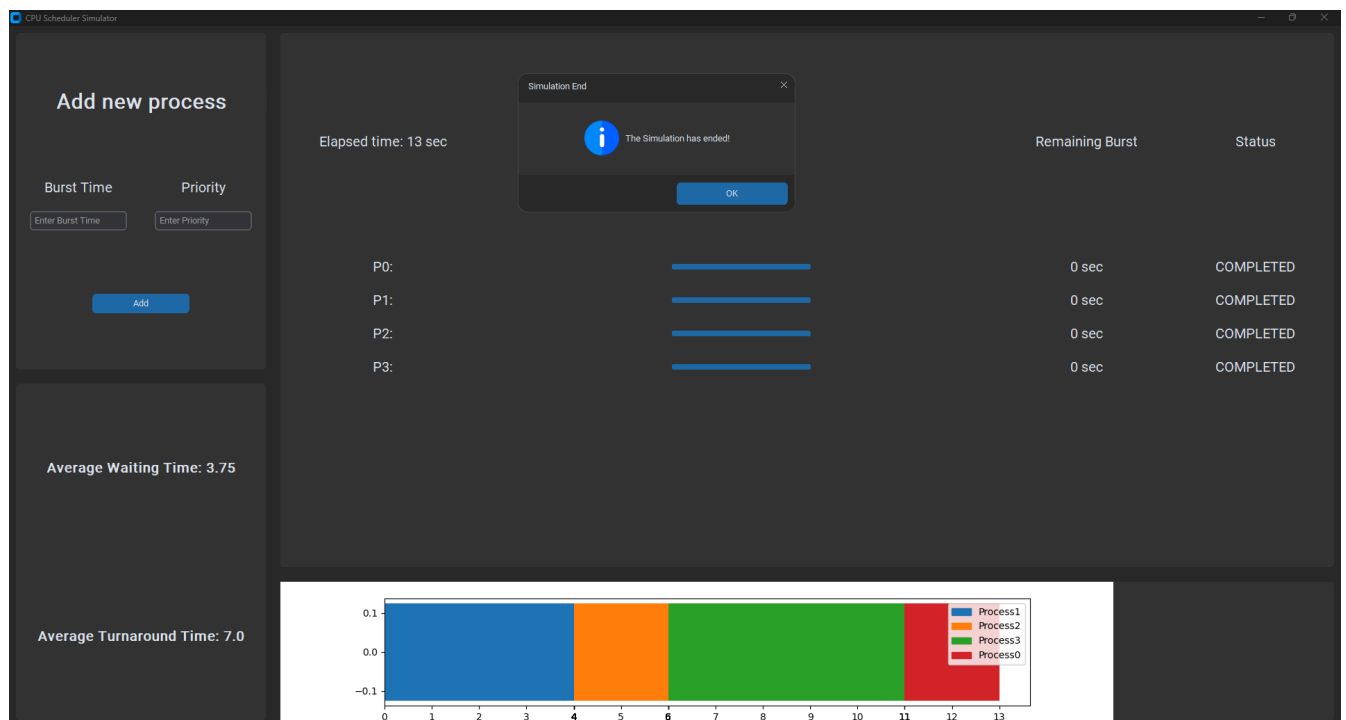
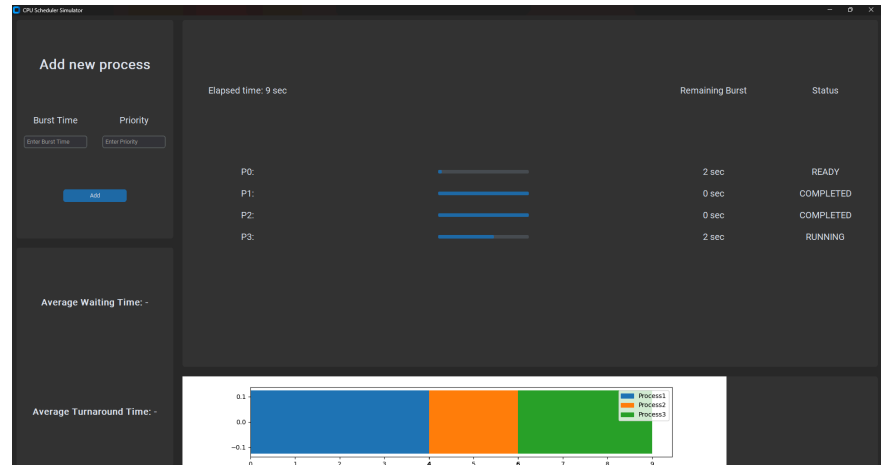


## Priority(Non-Preemptive):

Process Input

	Process ID	Arrival Time	Burst Time	Priority
P0:	0	0	2	4
P1:	0	0	4	1
P2:	2	2	2	2
P3:	4	4	5	3

Schedule



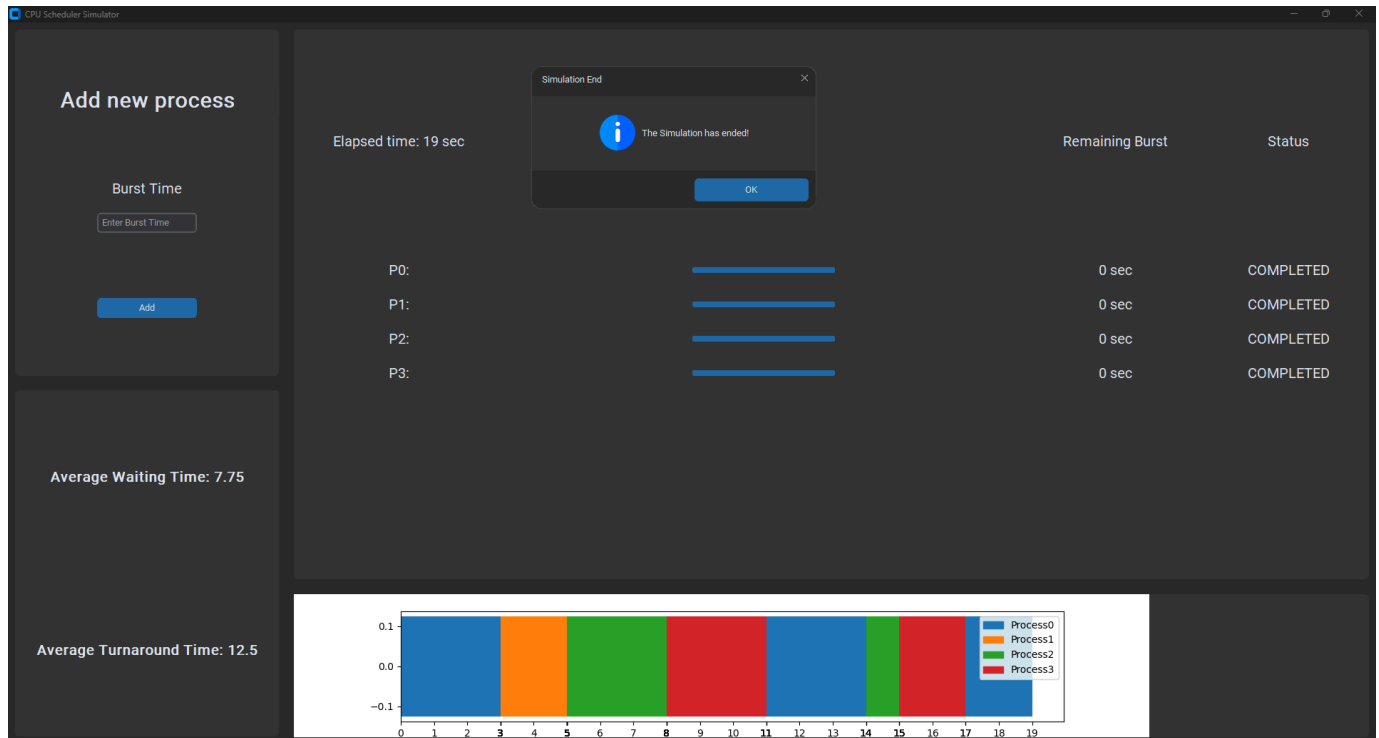
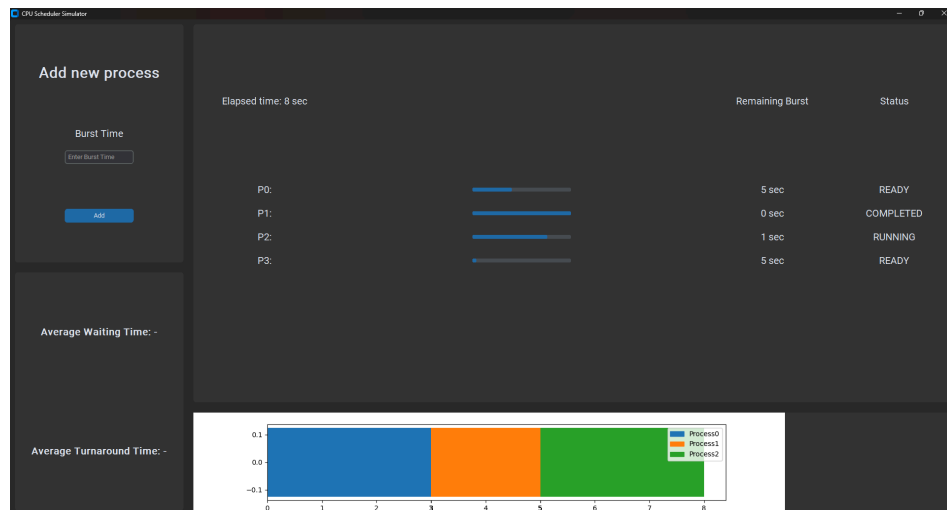
## Round Robin:

Process Input

	Process ID	Arrival Time	Burst Time
P0:	0	0	8
P1:	0	0	2
P2:	3	3	4
P3:	3	3	5

3

Schedule



---

## **Github Repo:**

[MohdYasser1/CPU-Scheduler-Simulator: This is a CPU Scheduler Simulator with simulates different scheduling algorithms on processes \(github.com\)](#)

## **Installer Link:**

<https://drive.google.com/drive/folders/1ZRyyqsF5DtjkCWanHRHW0q9TyBDg5T0H>