

Readme file

Web Portal to visualize Process Scheduling

PCS 2 (Course Project)

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Steps to run the web portal on localhost:

1. Extract the zip file
2. You will be able to see 3 files named as **index.html**, **style.css**, **main.js**
3. Open the **index.html** file with your web browser (We tried on google chrome)
4. If everything goes well, you will be able to see the webpage
5. Here is a look of the website –

Please select the Algorithm:

☒ First Come First Serve

☐ Priority Scheduling

☐ Shortest Job First

☐ Round Robin

Process ID	Arrival Time	Burst Time	Priority	Response Time	Waiting Time	Turnaround Time
P0	0	4				
P1	1	2				

Total execution time: sec

Average Waiting time: sec

Average Turnaround time: sec

6. Now, you can select any of the algorithms available in the web portal
7. You have to give input as Burst Time in all algorithms, along with input of Priorities in case of Priority scheduling
8. Then you will be able to see the output in the table of Response time, waiting time, turnaround time, along with the average of waiting time and turnaround time

Please select the Algorithm:

- ☒ First Come First Serve
- ☐ Priority Scheduling
- ☐ Shortest Job First
- ☐ Round Robin

Process ID	Arrival Time	Burst Time	Response Time	Waiting Time	Turnaround Time	
P0	0	4	0	0	4	
P1	1	2	4	4	6	
P2	2	3	6	6	9	
P3	3	4	9	9	13	Delete row

Add a row

Click here to proceed

P0	P1	P2	P3
4	2	3	4

Total execution time: **13** sec

Average Waiting time: **4.75** sec

Average Turnaround time: **8** sec

Please select the Algorithm:

- ☐ First Come First Serve
- ☒ Priority Scheduling
- ☐ Shortest Job First
- ☐ Round Robin

Process ID	Arrival Time	Burst Time	Priority	Response Time	Waiting Time	Turnaround Time	
P0	0	4	2	2	2	6	
P1	1	2	3	0	0	2	
P2	2	3	1	6	6	9	
P3	3	4	0	9	9	13	Delete row

Add a row

Click here to proceed

P1	P0	P2	P3
2	4	3	4

Total execution time: **13** sec

Average Waiting time: **4.25** sec

Average Turnaround time: **7.5** sec

Existing bugs –

- When you first open the website or reload it, the css of the delete row button is quite badly arranged
- To deal with this, you simply need to select any one of the algorithms apart from the FCFS, and then it will work absolutely fine without any errors.