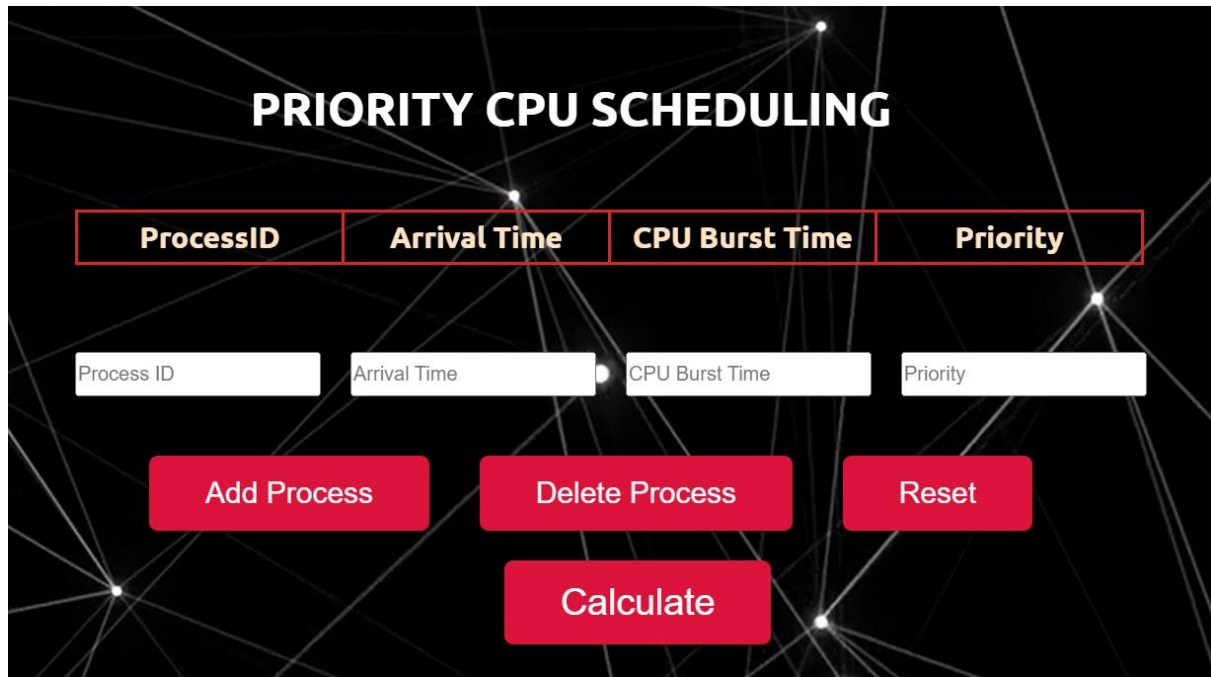


Welcome to the Priority Scheduling Algorithm Simulator!

This simulator allows you to simulate the behaviour of the Priority CPU Scheduling Algorithm, which is used to schedule requests based on the priorities of the processes.



The screenshot shows the user interface of the Priority CPU Scheduling Simulator. At the top, the title "PRIORITY CPU SCHEDULING" is displayed in white text on a black background. Below the title is a table with four columns: "ProcessID", "Arrival Time", "CPU Burst Time", and "Priority". The table is currently empty. Below the table are four input fields, each with a label: "Process ID", "Arrival Time", "CPU Burst Time", and "Priority". Below the input fields are four red buttons: "Add Process", "Delete Process", "Reset", and "Calculate". The background of the interface is black with a network of white lines and dots.

ProcessID	Arrival Time	CPU Burst Time	Priority
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Process ID Arrival Time CPU Burst Time Priority

Add Process Delete Process Reset

Calculate

Instructions:

1. Start by adding the required fields (ProcessID, Arrival Time, CPU Burst Time and Priority of the process) in the area specified. Click on **Add Process** to add it in the table.

PRIORITY CPU SCHEDULING

ProcessID	Arrival Time	CPU Burst Time	Priority
1	2	5	0
2	1	1	3
3	1	2	1

Add Process

Delete Process

Reset

Calculate

- After all the processes have been added, click on **Calculate**. You'll be displayed a complete table having information about processes' Completion, Turnaround, Waiting, Start and Response times along with the average waiting and average turnaround time of all the processes entered. The gantt chart is also displayed.

ProcessID	Arrival Time	CPU Burst Time	Priority	Completion Time	Turnaround Time	Waiting Time	Start Time	Response Time
1	2	5	0	7	5	0	2	0
2	1	1	3	12	11	10	11	10
3	1	2	1	8	7	5	1	0
4	3	3	2	11	8	5	8	5

AvgWaiting Time: 5

Avg Turnaround Time: 7.75

--The GanttChart for the above processes is--

Start Time	1	2	7	8	11
Running Process	3	1	3	4	2
End Time	2	7	8	11	12

- Click on **Reset** to head back to the dashboard of the algorithm.