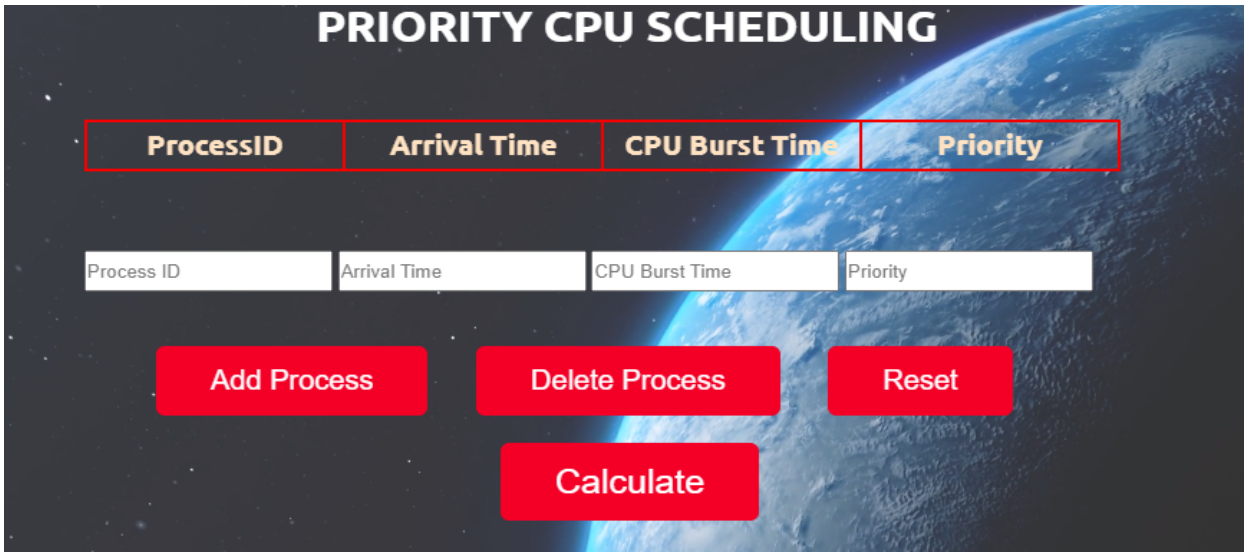
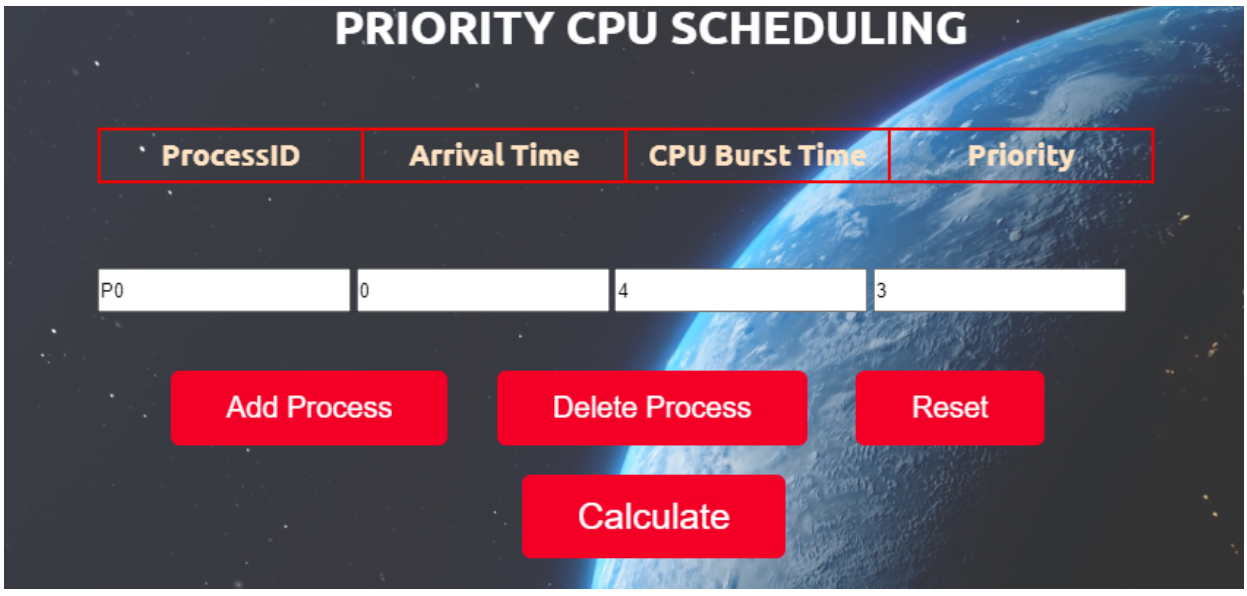
Welcome to the Preemptive Priority Scheduling Algorithm Simulator! This simulator allows you to simulate the behaviour of the Preemptive Priority Scheduling Algorithm, which is used to schedule processes based on their priority.

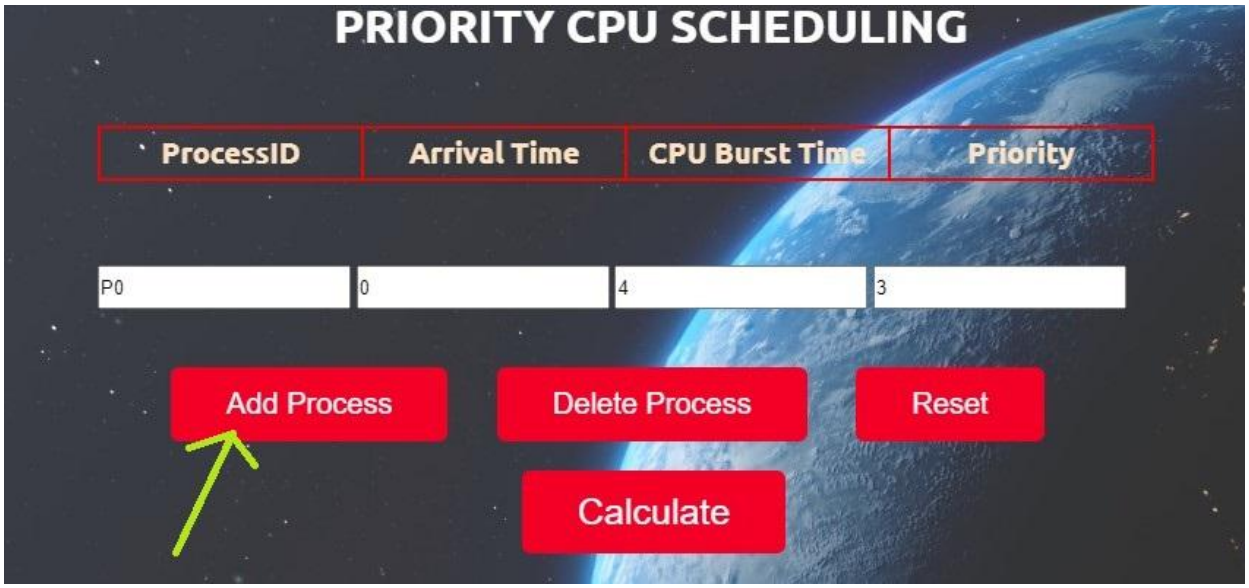
Instructions:

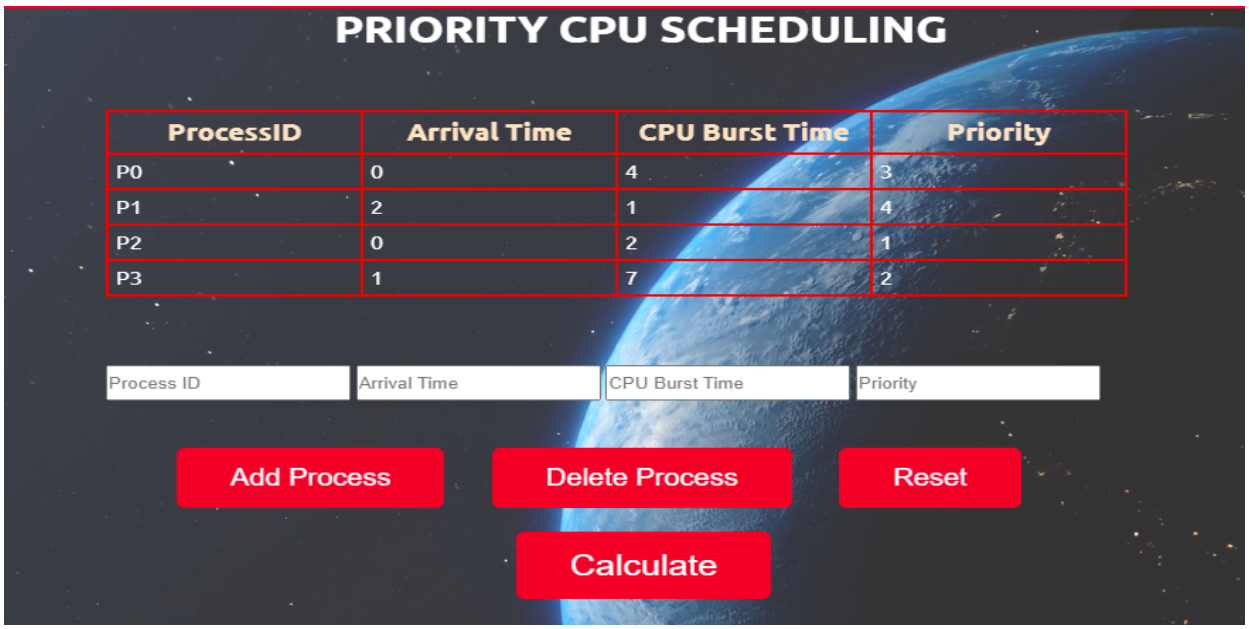
1. Start by entering the process details into the respective fields - Process ID, Arrival Time, CPU Burst Time, and Priority. These fields should accept only single values.



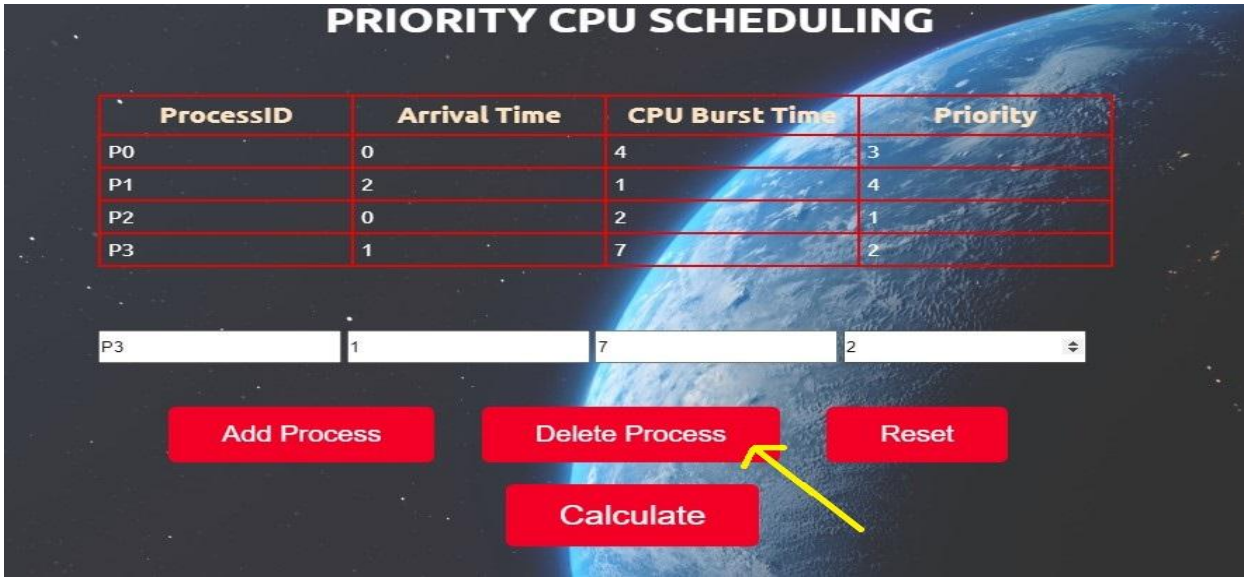


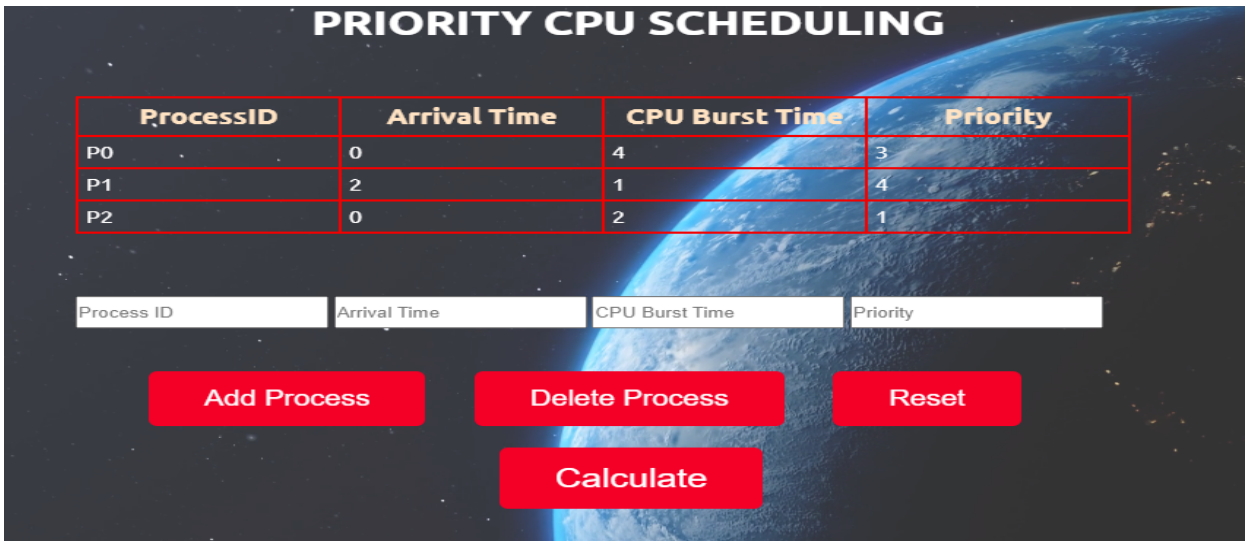
2. After entering the details, click on the **'Add Process'** button to add the process to the process table. You can add multiple processes in this way.



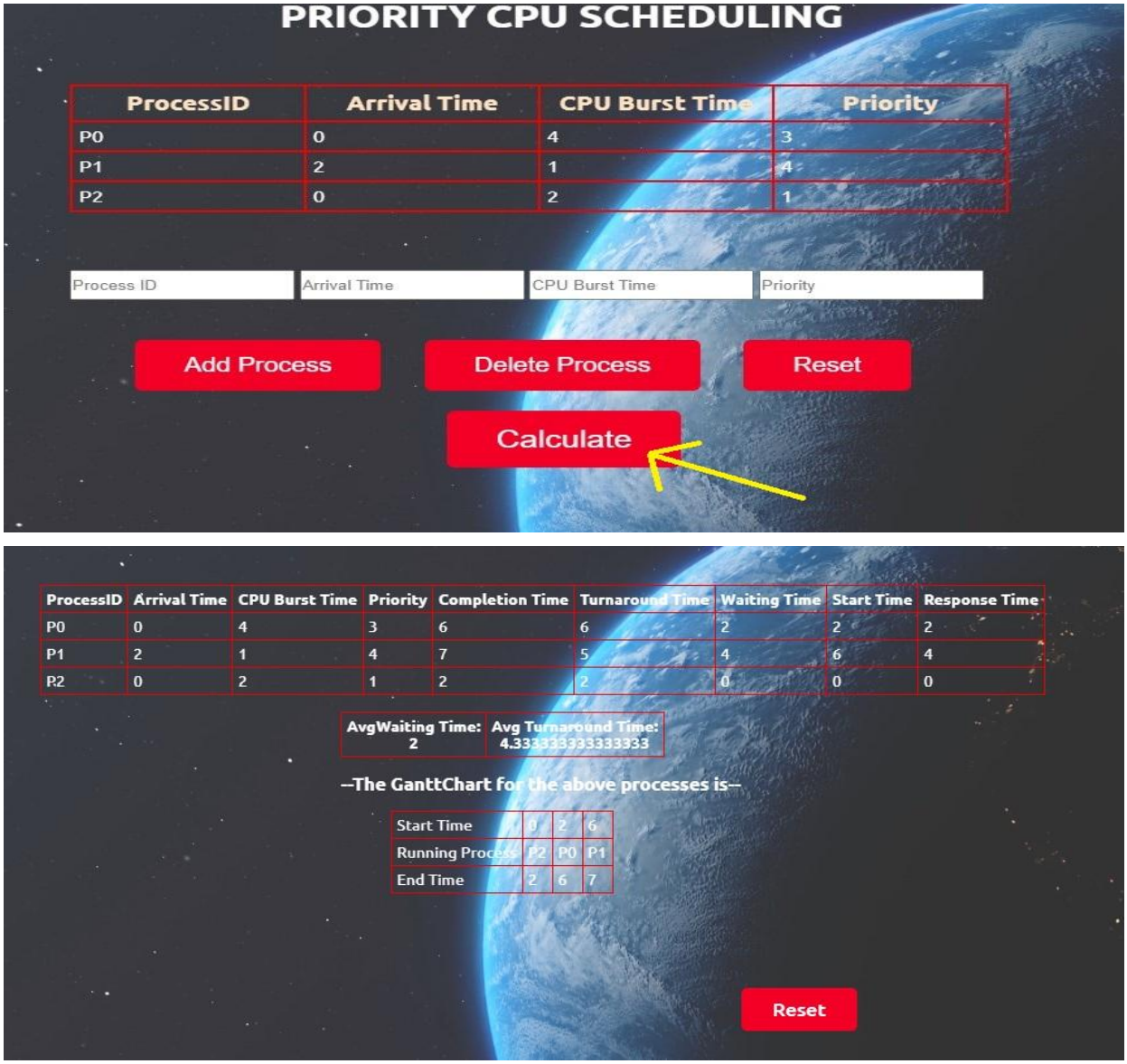


3. To delete a process from the process table, enter the process ID in the 'Process ID' field and click on the '**Delete Process**' button.





4. Once you have entered all the processes, click on the '**Calculate**' button to execute the algorithm. The simulator will show the completion time, turnaround time, waiting time, start time, and response time for each process in a table, along with a Gantt chart that shows the scheduling of processes.



5. To start the simulation again with a new set of processes, click on the '**Reset**' button as shown in the above diagram.

Note: The Preemptive Priority Scheduling Algorithm schedules processes based on their priority, with higher priority processes getting scheduled first. In case of a tie, the algorithm will use lesser arrival time to determine the order of execution.

Enjoy the simulation and have fun exploring the behaviour of the Preemptive Priority Scheduling Algorithm!