Write a program to implement the Priority Scheduling (non-preemptive) algorithm. Consider the following data set:

No. of Processes – 5

|  |  |  |
| --- | --- | --- |
| Process Id | Priority | Burst Time |
| 1 | 3 | 10 |
| 2 | 1 | 1 |
| 3 | 4 | 2 |
| 4 | 5 | 1 |
| 5 | 2 | 5 |

Data set can be taken as user input or as file input.

Print the Gantt chart to show the scheduling of the processes.

Calculate and print the average turnaround time.