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

No. of Processes – 5

|  |  |  |
| --- | --- | --- |
| Process Id | Arrival Time | Burst Time |
| 1 | 1 | 7 |
| 2 | 3 | 3 |
| 3 | 6 | 2 |
| 4 | 7 | 10 |
| 5 | 9 | 8 |

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 waiting time of each process.