**Working with Process Scheduling algorithms**

1. Given the list of processes, their CPU burst times and arrival time write a program to implement Shortest Job First CPU scheduling algorithm. Compute the waiting time and turnaround time for each processor. Print the table of information which contains process name, execution time, waiting time and turnaround time. Finally print the average waiting time and average turnaround time.

**Process Burst Time Arrival Time**

P1 12 0

P2 25 2

P3 13 1

P4 7 0

P5 11 5

1. Write a program to implement Shortest Job First CPU scheduling algorithm where Processes do not arrive at the same time. Display the following results in a table format.
2. Arrival time and Burst time of every process.

ii) Waiting time and turnaround time of every process.

iii) Average waiting time and turnaround time.

iv) Total idle time of the processor.

**Process Burst Time**

P1 12

P2 22

P3 14

P4 7

P5 10