Write a program for the process scheduling according to the characteristics of their CPU bursts time. Consider the two queues, queue 1 follows the FFCS scheduling algorithm, and queue 2 follows the preemptive SJF algorithm. If a process burst time is more than 5 m/s then move to queue1, otherwise move to queue2. Calculate the waiting time and turnaround time of each process in the queue 1 and queue 2.

- Write the algorithm for above program
- Source code of the program
- Program output as follows

  Display the input (Process id, burst time, arrival time)

  Display process arrival order

  Display queue 1 process sequence

  Display the waiting time and TAT of each process in queue1

  Display queue 2 process sequence

  Display the Waiting time and TAT of each process in queue 2

Sample input

Process	Arrival Time	Burst Time
P1	0	8
P2	2	5
P3	1	6
P4	1	3
P5	3	9
P6	0	4
P7	0	2
P8	6	7
P9	4	15
P10	0	1