**a)FCFS (First Come First Serve)**

**Aim**: Write a C program to implement the various process scheduling mechanisms such as FCFS

scheduling.

Algorithm:

1: Start the process

2: Accept the number of processes in the ready Queue

3: For each process in the ready Q, assign the process id and accept the CPU burst time

4: Set the waiting of the first process as ‘0’ and its burst time as its turn around time

5: for each process in the Ready Q calculate

a. Waiting time for process(n)= waiting time of process (n-1) + Burst time of process(n-1)

b. Turnaround time for Process(n)= waiting time of Process(n)+ Burst time for process(n)

6: Calculate

a. Average waiting time = Total waiting Time / Number of process

b. Average Turnaround time = Total Turnaround Time / Number of process

7: Stop the process