## CPU scheduling Algorithms

(A) First come First Some (FCFS) -

AIM: To write a c Program to Simulate the CPU Scheduling algorithm First come First Serve (FCFS)

## Description:

To calculate the average waiting time using the FCFS algorithim first the waiting time of the First Process is kept zero and the waiting time of the Becond Process is the burst time of the First Process and the waiting time of the third Process is the Burnet times. Of the First and the second Process and so on After. Calculating all the waiting times the average waiting time is calculated as the average of all the waiting times. FCFs mainly says First come First serve algorithm which came First will be sorved First

## Algorathm:

Step-1: Stant the Process

Step-2: Accept the number of Processes in the roady

steps: For each Process in the ready queue, assign the Process name and the burst time Step

Step-y: set the waiting of the First process as -o'and its burist time as its turnaround time step Step-5: For each process in the Ready queue calculate

## Average waiting Time-17.00000

a) waiting Time (n) = waiting Time (n-1) + Brust Time

Turnaround time(n) = waiting Time(n) + Burst Time(n)

Step 6: calculate

- a) Average nailing Time = Total waiting Time/ Number of Process
- b) Average Turnaround Time = Total Turnaround Time
  /Number OF Process

Step-7: Stop the Process Source code

#include (stdio.h)