EXPERIMENT 5 (A)
FCFS WITHOUT ARRIVAL TIME

AIM
Implementation of CPU scheduling program - FCFS without arrival time

ALGORITHM
STEP 0: START
STEP 1: Variables are declared
n - to store number of process
i - loop counter
STEP 2: Array p[10] declared to store process numbers, bt[10] to store burst times for each process, tat[10] and wt[10] to store turn around time and waiting time of each process. avgwt and avgtat variables are declared to store averages of turnaround time & waiting time.
STEP 3: User is prompted to enter the number of processes as well as the burst times.
STEP 4: Initialize the waiting time for the first process wt[0]=0.
STEP 5: Use a loop to calculate waiting time for each process

wt[i] = bt[i-1] + wt[i-1]

STEP 6: Calculate Average waiting time

STEP 7: Use a loop to calculate turn around time tat[i] = wt[i] + bt[i] & calculate average turn around time.

STEP 8: Display the average waiting time & average turn around time

STEP 9: Display the Gantt chart, displaying the execution order of processes over time.

STEP 10: END