Ex. No.: 6a)

Date: 20/02/2025

FIRST COME FIRST SERVE

Aim:

To implement First-come First- serve (FCFS) scheduling technique

Algorithm:

- 1. Get the number of processes from the user.
- 2. Read the process name and burst time.

3. Calculate the total process time.

4. Calculate the total waiting time and total turnaround time for each process 5. Display the process name & burst time for each process. 6. Display the total waiting time, average waiting time, turnaround time

```
Program Code:
    51,52 = 0,0
    p= int (input ("Enter the no of processes: "))
    print ("Enter the burst time of the processes: ")
    bt, at, ct, tat, wt, pt = [], [], [], [], [], []
    for i in range (P):
          bt. append (int (input()))
          at. append(0)
          pt. append (i)
   et. append (bt[0])
   for i'in range (1, len (bt)):
         ct.append (ct[i-i]+H[i])
   for i in range (1):
         tat. append (ct [i] - at [i]) wt. append (tat [i] - bt[i])
   print ("In Process It Burst Time It Turn Around Time It Waiting Time")
   for i in range (p):
         print (pt[i], 'lele', bt[i], "lele', tat[i], "lelele', wt[l], "ln")
         31+= wt[i]
         S2 += tat[i]
print ("Average wating Time 35:", SI/P)
   print (" Average Turn around Time ! ", 52/p)
```

Sample Output:

Enter the number of process:

Enter the burst time of the processes:

2433

Process	Burst Time	Waiting Time	Turn Around Time
0	24	0	24
1	3	24	27
2	3	27	30

Average waiting time is: 17.0 Average Turn around Time is: 19.0

Enter the no of processes: 5 Enter the burst time of the processes: b

2 8 3

4 Wailing Time Turn Around Time BurstTime Proces Ь O Ь 6 ١ 8 3 16 19 19

23

Average Walting Time: 9.8 Average Turn Around Time: 14.4

Result:

Thus the First Come First Serve Algorithm has been successfully excuted using python program.