Ex. No.: 6a)
Date: |9|2|25

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:

```
for (int i= 1; i < n; i++) f
      for lint j=1; jen-i; j++) &
          if (at(j) > at[j+1))1
            int temp;
            lemph = at [j];
           at [j] = at [j+1],
            at Ej+1) = lemp;
           lemp = bt [j],
           bt [j] = bt [j+1],
           bt [j +1] = lump ;
 " at [1] = bt [1];
   for (int i=2; ic=n; i++)
   y at [i] = b+ [i]+ at[i-1],
    for ( int == 1 ; o == n; i++)
    " Lat Eid= UCi] = at Lid;
   y lotal - lat + = lat [i];
forlint i=1; ic=n; it+1
  wt [i] = lat[i] - bt[i];
  tota_at +=wt[i];
float ang - wt = Notal - wt In;
float any deat = total-tot /n; 
munity "Process: Armal Jum:
                             Burst June :
                                         Completion time:
  for lant i=1 jic=n; 1++)
  fruits (" % d % d % d " lod " lod " lod In" " (i+1),
    for (int i=1; i c=n; i++) at Ci], HCi], at Ci], tot Ci], wot Ci])
     Frunty (" " od 3
    fruit ("Average waiting time = %. 2 f n", arg-wt);
   fruit (" Average turn around time = "10.2 f \n", ang tot );
```

gantt Chart:

P,	P2	P3	
0 4		17	22

Tabulation .

впоин	ATNO	87 (ms)	(Toms)	747: CT - 47	WT = TAT -BT
1	0	4	ч	4	0
2	0	15	17	17	4
3	6	5	22	22	17

Sample Output:

Enter the number of process:

Enter the burst time of the processes:

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 proces : 3 Enter the burst time

9 13 5 Process	Benst Jim	Waiting Time	Turn from the
	10	4	17
2	5	17	22

Any. Waiting time is & 7 ms

Result: Thus the implementation Frist come First Dom Ras bon ouccesfully executed.