Ex. No.: 6a)
Date: 21225

## 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:
#include (stolio.h)
int main ()
    printf ("Enter the no of processes:");
   sears ("1.d", &n);
   int b[n], c[n], ta[n], w[n];
printf ("Enter avoival time for all the processes:");
   Scant ("10/00", var);
   print ("Enter the burst times for the processes: ");
  fox ( int (=0; i/n; i++)
                              35
       ecijsbeij;
```

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elses
    CliJ=cli-J+bcij;
3
for (int 1=0; ixn; i++)
   tarij=crij-ar
 int sum so
 for (intiso; ikn; itt)
   Scum = sum | +tatij;
Intargta = sumi/n;
for (Phti=o; ikn; itt)
  wsi]=tari]-bri];
int sum =0;
 for (int 10; ith; (++)
   Sum2=sum2+w[i];
int aug_w=sum2/n;
Print 1" Process & Burstime & waiting Time It Turn Around Time In)
for (inti=0; jln; itt)
   prints ("./. d tt", 1);
   printp("% dit % a train, brilwij, tatij)-
Printe(" Avg waiting Timesors: 4-d/n1, ang w);
 Print ("Avg Turn Around Time 13: "od", aug_ta);
```

## Input:

Enter the no-of processes: 3

Enter arrival time for all processes: 000

Enter burst times for the processes: 5 3 8

## Output:

Process	ArrivalTime	BunstTime	WaitingTime	Turn Around
		5	0	Time 5
0	0	3	5	8
1	0		8	16
9	0	8		

The average Waiting Time is: 4.33
The average Two naround Time is: 9.67

Sample Output:

Enter the number of process:

3

Enter the burst time of the processes:

243

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

Result:

Hence C program for FCFS shaduling has been executed and compiled successfully.

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