Ex. No.: 6a)
Date: 21/2/25

## 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:

```
# include < stdio. L>

Int main()

{
    int n.ar;
    printf("Enter the no. of procurs:");
    Scanf ("1.d", kn);
    int b [n], c [n], ta [n], w [n];
    printf("Enter the awayal time for all the procussor:").

Scanf ("1.d", Lar);

printf ("Enter the burst times for the processes:").

for (int i=0; ikn; i++)

{
    Scanf ("1.d", Lot[i]);
}
```

```
for ( Pat i=0; i < n; i++)
  E
    1 Fl 1 = = 0)
       c[i]=b[i];
    e(i) = c[i-1]+b[i];
 for lint i=0 ; i kn ; i++)
 3
  tali] = c [i] - ar;
3
 10+ Sum 1 = 0;
 for (int 1=0; i cn; i+)
 Sum = Sum 1 + ta[i];
int arg = ta = Sum 1 /n;
for (int i=0 ; icn; i+1)
  w[i] =ta[i] -b[i];
int Sum = 0;
for (int (=0; icn; 1+1)
3
  Sum 2 = Sum 2 + w[i];
```

int any - w = sum 2/n;

printf (" Procus ) t Burst Time (+ waiting Time (+ Twin Ausund Time Infor lint i = 0; in ; i++)

printf (" %.d (+", i);

printf (" %.d (+ %.d (+ %.d (+ ).d (+ )



Sample Output	ut: ber of process:		
3	st time of the proce	esses:	
Process	Burst Time	Waiting Time	Turn Around Time
0	24	0	24
1	3	24	27
2	3	27	30
Average w Average T	vaiting time is: 17. Turn around Time i	0 s: 19.0	
Output			
Proces	Bust	time	Wasting time
0	2	24	0
ι		3	24
2		3	27
	esult: Hun accursfully	ce 41.	e FCFS

## Output

Process	Bust time	Westing time	Turn around fine
0	24	6	2 4
ı	3	24	27
2	3	27	30

Result: the FLFS is encutade