Ex. No.: 6a)

Date: 22 2 25

## FIRST COME FIRST SERVE

Aim:

J

U

U

J

U

W

0

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

## Algorithm:

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

Calculate the total process time.

 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:

import covay nun = int (input ("Enter no foroces:")) P = averay - averay ('i', evange (num))
bt = averay . averay ('i', map (int, input (Enter the burst)) time of proces: " split ()) at = avoiay. soviay ('i', [o]\*n)
Wt = soviay. soviay ('i', [o]\*n) n = len(P) tot = soway. soway (i', [o] \*n)
at = soway. soway ('i', [o] \*n)
for i in range (n): AtiJ=ctCi-J+bt[i]

for i in range (n): tat [i] = ct[i] - at[i] for i in range (n): Wt [i]=tat [i]-bt[i] arg-Wt = sum (Wt)/n aug tat = sum (tat)/n Point ("powces It Burst time It wowind time It completion time It waiting It Two maround time") for i in range (n): point (f" ZPEi] It & bt [i] gt It Cat[] g It It & of [i] 3 It It [ w+[i] 3 V= It [totCi] 3" Buint (f" | n Average maiting time: & ang-wt: ") fount (f "Average twomaround time = ( ang\_tat: 3") Sweeze waiting time = 9.3 sus Green traversend time = The garth chart for the s

authut:

Enter no of proces: 3

Enter luvet time of powers: 12 44

Broces Brosttens Acidenal time Completion Waiting Trongsound

Average waiting time = 9.3 ms Average turnaround time = 16 ms

The gantt chart for the schedule is

	P.		Pz	P3
0		12	16	12
			/	

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

Thus the program for first some algorithm has been studied successfully