Lab Practical 8 Submission

Roll No. and Name: 21BEI036 Meet Patel Course Code and Name: 2CSOE53 OS

Aim:

- a) Write a C program to implement FCFS.
- b) Write a a C program to implement Round Robin.

code:

a)

```
processes[i] = i + 1; // Assign process IDs (1, 2, 3, ...)
printf("Process %d: ", processes[i]);
scanf("%d", &burst_time[i]);
}

// Call function to calculate average waiting time and turnaround time
findAvgTime(processes, n, burst_time);
return 0;
}
```

input:

```
Enter the number of processes: 4
Enter burst time for each process:
Process 1: 13
Process 2: 2
Process 3: 6
Process 4: 10
```

output:

Process	Burst Time	Waiting Time	Turnaround Time
1	13	0	13
2	2	13	15
3	6	15	21
4	10	21	31
_	waiting time: 12 turnaround time:		

Code:

```
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```

input:

```
Enter the number of processes: 4
Enter the time quantum: 2
Enter burst time for each process:
Process 1: 10
Process 2: 5
Process 3: 23
Process 4: 5
```

output:

Process 1 2 3	Burst Time 10 5 23	Waiting Time 18 14 20	Turnaround Time 28 19 43	
4	5	17	22	
Average waiting time: 17.25 Average turnaround time: 28.00				