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#include<stdio.h>

int main() {
    int n, i;
    int bt[20], wt[20], tat[20];
    float wtavg, tatavg;

    printf("Enter the number of processes: ");
    scanf("%d", &n);

    printf("Enter the burst time for each process:\n");
    for(i = 0; i < n; i++) {
        printf("Process %d: ", i+1);
        scanf("%d", &bt[i]);
    }
    wt[0]=wtavg=0;
    tat[0]=tatavg=bt[0];
    for(i = 1; i < n; i++) {
        wt[i] = wt[i-1] + bt[i-1];
        tat[i]=tat[i-1]+bt[i];
        wtavg=wtavg+wt[i];
        tatavg=tatavg+tat[i];
    }
    wtavg=wtavg / n;
    tatavg=tatavg /n;

    printf("\nProcess\tBurst Time\tWaiting Time\tTurn around Time\n");
    for(i = 0; i < n; i++) {
        printf("%d\t%d\t\t%d\t\t%d\n", i+1, bt[i], wt[i], tat[i]);
    }

    printf("\nAverage Waiting Time: %.2f", wtavg);
    printf("\nAverage Turnaround Time: %.2f\n", tatavg);

    return 0;
}
```

```
PS C:\Users\STUDENT> cd "c:\Users\STUDENT\Documents\" ; if ($?) { gcc fcfs.c -o fcfs } ; if ($?) { .\fcfs }
```

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Enter the number of processes: 4
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```
Enter the burst time for each process:
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Process 1: 5
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Process 2: 3
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```
Process 3: 8
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```
Process 4: 6
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Process	Burst Time	Waiting Time	Turn around Time
1	5	0	5
2	3	5	8
3	8	8	16
4	6	16	22

```
Average Waiting Time: 7.25
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```
Average Turnaround Time: 12.75
```

```
PS C:\Users\STUDENT\Documents> 
```