

OPERATING SYSTEM - CS23431

EXP 6(A)

FIRST COME FIRST SERVE

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PROGRAM:

```
#include <stdio.h>

int main() {

    int n, i;

    printf("Enter number of processes: ");

    scanf("%d", &n);

    int bt[n], wt[n], tat[n];

    printf("\nEnter burst time for each process:\n");
    for (i = 0; i < n; i++) {
        printf("P[%d]: ", i + 1);
        scanf("%d", &bt[i]);
    }

    wt[0] = 0;
    for (i = 1; i < n; i++) {
        wt[i] = wt[i - 1] + bt[i - 1];
    }

    for (i = 0; i < n; i++) {
        tat[i] = bt[i] + wt[i];
    }
```

OUTPUT:

```

Average turn around time is: 27.33
[student@localhost ~]$ vi fcfs164.c
[student@localhost ~]$ gcc fcfs164.c
[student@localhost ~]$ ./a.out
Enter number of process: 3

Enter burst time for each process: 24
3
3
Process   Burst time   Waiting time   Turn Around Time
0  24  0  24
1  3  24  27
2  3  27  30

Total waiting time is: 51
Total turn around time is: 81
Average waiting time is: 17
Average turn around time is: 27
[student@localhost ~]$ █

```

