

FCFS:

```
#include <stdio.h>
int main() {
    int n, i;
    int burst_time[100], waiting_time[100], turnaround_time[100];
    char process_name[100][10];
    int total_process_time = 0;
    printf("Enter number of processes: ");
    scanf("%d", &n);
    for (i = 0; i < n; i++) {
        printf("Enter name of process %d: ", i + 1);
        scanf("%s", process_name[i]);
        printf("Enter burst time for %s: ", process_name[i]);
        scanf("%d", &burst_time[i]);
    }
    waiting_time[0] = 0;
    for (i = 1; i < n; i++) {
        waiting_time[i] = waiting_time[i-1] + burst_time[i-1];
    }
    for (i = 0; i < n; i++) {
        turnaround_time[i] = waiting_time[i] + burst_time[i];
    }
    for (i = 0; i < n; i++) {
        total_process_time += burst_time[i];
    }
    printf("\nProcess Name\tBurst Time\tWaiting Time\tTurnaround Time\n");
    for (i = 0; i < n; i++) {
        printf("%s\t\t%d\t\t%d\t\t%d\n", process_name[i], burst_time[i], waiting_time[i],
turnaround_time[i]);
    }
    printf("\nTotal Process Time: %d\n", total_process_time);
    return 0;
}
```

```
Enter number of processes: 3
Enter name of process 1: a
Enter burst time for a: 4
Enter name of process 2: b
Enter burst time for b: 5
Enter name of process 3: c
Enter burst time for c: 2

Process Name   Burst Time   Waiting Time   Turnaround Time
a              4            0              4
b              5            4              9
c              2            9              11

Total Process Time: 11
```

