b. FCFS

```c
#include<stdio.h>

int main() {
    int numTasks, burstTime[20], waitingTime[20], turnAroundTime[20], arrivalTime[20];
    float avgWaitingTime = 0;
    float avgTurnAroundTime = 0;

    printf("Enter the total number of tasks: ");
    scanf("%d", &numTasks);

    for(int i = 0; i < numTasks; i++) {
        printf("Enter the burst time of task %d: ", i + 1);
        scanf("%d", &burstTime[i]);
    }

    waitingTime[0] = 0;
    turnAroundTime[0] = burstTime[0];

    for(int i = 1; i < numTasks; i++) {
        waitingTime[i] = waitingTime[i - 1] + burstTime[i - 1];
        avgWaitingTime += waitingTime[i];
    }

    for(int i = 0; i < numTasks; i++) {
        turnAroundTime[i] = turnAroundTime[i - 1] + burstTime[i];
        avgTurnAroundTime += turnAroundTime[i];
    }

    avgTurnAroundTime /= numTasks;
    avgWaitingTime /= numTasks;

    printf("Task\t Burst Time\t Waiting Time\t TurnAround Time\n");
    for(int i = 0; i < numTasks; i++) {
        printf("T%d\t%d\t\t%d\t\t%d\n", i + 1, burstTime[i], waitingTime[i], turnAroundTime[i]);
    }

    printf("Average Waiting Time = %.2f\n", avgWaitingTime);
    printf("Average TurnAround Time = %.2f\n", avgTurnAroundTime);
```

```
    return 0;
}
```

```
Enter the total number of tasks: 4
Enter the burst time of task 1: 6
Enter the burst time of task 2: 8
Enter the burst time of task 3: 7
Enter the burst time of task 4: 3

Task    Burst Time    Waiting Time    TurnAround Time
T1      6             0               6
T2      8             6               14
T3      7             14              21
T4      3             21              24

Average Waiting Time = 10.25
Average TurnAround Time = 16.25
```