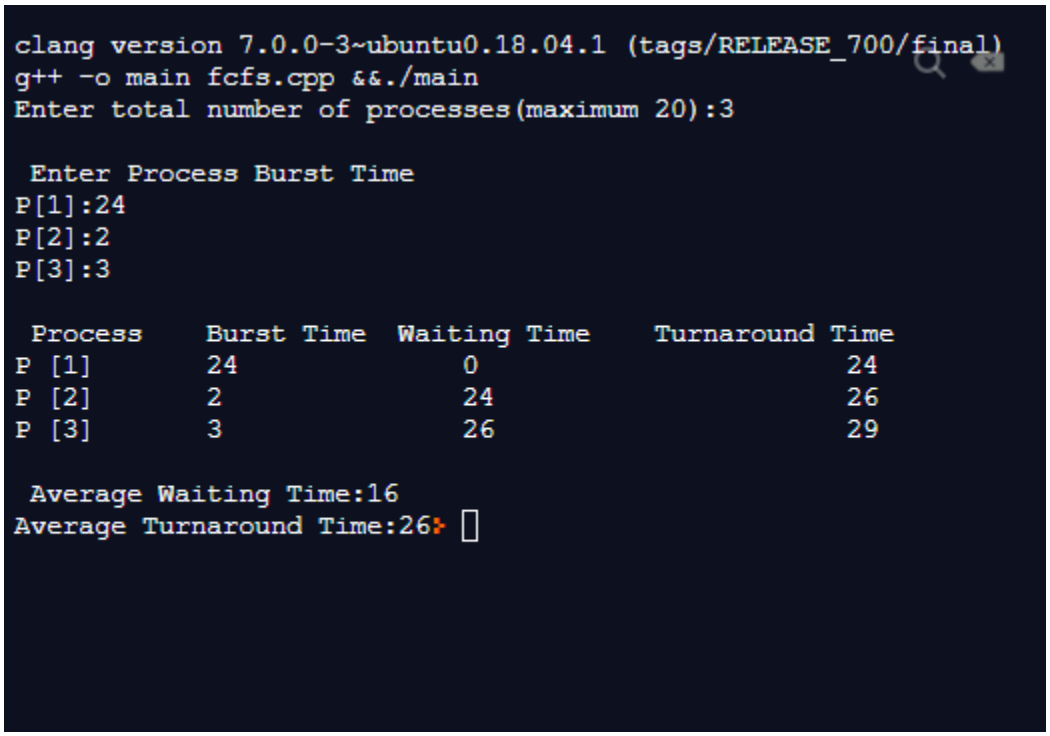
6)Write a program to implement FCFS scheduling algorithm.

```c
#include<stdio.h>

 int main()

{
    int n,bt[20],wt[20],tat[20],avwt=0,avtat=0,i,j;
    printf("Enter total number of processes(maximum 20):");
    scanf("%d",&n);

    printf("\n Enter Process Burst Time\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]=0;
        for(j=0;j<i;j++)
            wt[i]+=bt[j];
    }

    printf("\n Process \tBurst Time\tWaiting Time\tTurnaround Time");

    for(i=0;i<n;i++)
    {
        tat[i]=bt[i]+wt[i];
        avwt+=wt[i];
        avtat+=tat[i];
        printf("\nP [%d]\t\t%d\t\t\t\t%d\t\t\t\t\t%d",i+1,bt[i],wt[i],tat[i]);
    }

    avwt/=i;
    avtat/=i;
    printf("\n \n Average Waiting Time:%d",avwt);
    printf("\nAverage Turnaround Time:%d",avtat);

    return 0;
```

```
}
```

OUTPUT:


clang version 7.0.0-3~ubuntu0.18.04.1 (tags/RELEASE_700/final)
g++ -o main fcfs.cpp &&./main
Enter total number of processes(maximum 20):3
Enter Process Burst Time
P[1]:24
P[2]:2
P[3]:3
Process Burst Time Waiting Time Turnaround Time
P [1] 24 0 24
P [2] 2 24 26
P [3] 3 26 29
Average Waiting Time:16
Average Turnaround Time:26