#include<stdIo. h>

void main()

{

    int A[20],B[20],C[20],D[20] ,I ,j ,n , total=0,pos,temp;

    float avg\_C,avg\_D;

    printf("Enter number of process:");

    scanf("%d",&n);

    printf("\nEnter Burst Time:\n");

    for(i=0;i<n;i++)

    {

        printf("p%d:",i+1);

        scanf("%d",&A[i]);

        B[i]=i+1;

    }

    for(i=0;i<n;i++)

    {

        pos=i;

        for(j=i+1;j<n;j++)

        {

            if(A[j]<A[pos])

                pos=j;

        }

        temp=A[i];

        A[i]=A[pos];

        A[pos]=temp;

        temp=p[i];

        B [i]=B[pos];

        B [pos]=temp;

    }

    C[0] = 0

    for(i=1;i<n;i++)

    {

        C[i]=0;

        for(j=0;j<i;j++)

            C[i]+=A[j];

        total+=C[i];

    }

avg\_C=(float)total/n;

     total=0;

    printf("\nProcess\t    Burst Time    \tWaiting Time\tTurnaround Time");

    for(i=0;i<n;i++)

    {

        D[i]=A[i]+C[i];     //calculate turnaround time

        total+=D[i];

        printf("\np%d\t\t  %d\t\t    %d\t\t\t%d", *B*[i],A[i],C[i],D[i]);

    }

    Avg\_D=(float)total/n;

    printf("\n\nAverage Waiting Time=%f",avg\_C);

    printf("\nAverage Turnaround Time=%f\n",avg D);

}