//CODE//

#include<iostream>

#include<stdio.h>

using namespace std;

int main()

{

int p[]={0,1,2,3,4};

int t[]={5,2,6,4,1},turn[5],c=0,sum=0,sum2=0,wait[5],sum3=0;

wait[0]=0;

cout<<"processes arrival time is:0,1,2,3,4,5"<<endl;

cout<<"process time taken is:5,2,6,4,1"<<endl;

for(int i=0;i<5;i++)

{

c=c+t[i];

turn[i]=c;

}

for(int k=0;k<5;k++)

{

sum=sum+turn[k];

}

cout<<"total turnaround is:"<<sum<<endl;

double z=double(sum)/5;

cout<<"average of turn around is:"<<z<<endl;

for(int j=0;j<4;j++)

{

sum2=sum2+t[j];

wait[j+1]=sum2;

}

for(int n=0;n<5;n++)

{

sum3=sum3+wait[n];

}

cout<<"total waiting time:"<<sum3<<endl;

double m=double(sum3)/5;

cout<<"average waiting time is:"<<m;

return 0;

}

Output:

processes arrival time is:0,1,2,3,4,5

process time taken is:5,2,6,4,1

total turnaround is:60

average of turn around is:12

total waiting time:42

average waiting time is:8.4