#include<iostream.h>

#include<conio.h>

int sum(int ar[],int n)

{

int sum=0;

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

sum+=ar[i];

return sum;

}

int sum(int ar[],int n,char c)

{

int sum=0;

if(c=='E'||c=='O'||c=='e'||c=='o')

{

if(c=='E'||c=='e')

{

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

{

if(ar[i]%2==0)

sum+=ar[i];

}

}

else

{

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

{

if(ar[j]%2!=0)

sum+=ar[j];

}

}

return sum;

}

else

return 0;

}

void main()

{

clrscr();

int ar[30],n,choice;

char c;

cout<<"\n Enter how many numbers are to be input: ";

cin>>n;

cout<<"\n Enter the numbers:\n";

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

{

cout<<"No."<<i+1<<" : ";

cin>>ar[i];

}

cout<<"\n Press 1 to find the total sum.";

cout<<"\n Press 2 to find the sum of EVEN numbers OR ODD numbers.";

cout<<"\n Enter your choice: ";

cin>>choice;

switch(choice)

{

case 1:clrscr();

cout<<"\n TOTAL SUM= "<<sum(ar,n);

break;

case 2:clrscr();

cout<<"\n Press E to find the sum of EVEN numbers.";

cout<<"\n Press O to find the sum of ODD numbers.";

cout<<"\n Enter your choice: ";

cin>>c;

cout<<"\n TOTAL SUM= "<<sum(ar,n,c);

break;

default:cout<<"\n ENTERED WRONG CHOICE.";

break;

}

getch();

}