**/\*wap to compute sum of first n terms of the following series**

**1-2+3-4+5…. And so on. \*/**

using namespace std;

#include <iostream>

int main()

{

int n,s1,s2,s,i;

cout<<"Enter the terms you want ";

cin>>n;

cout<<"\nSeries entered by you is ";

for(i=1;i<=n;i++)

{

cout<<i;

if(i%2==0 && i<n)

cout<<"+";

else if(i%2!=0 && i<n)

cout<<"-";

}

cout<<endl;

i=1;

s1=0;

while(i<=n)

{

s1=s1+i;

i=i+2;

}

i=2;

s2=0;

while(i<=n)

{

s2=s2+i;

i=i+2;

}

s=s1-s2;

cout<<"The sum of following series is ";

cout<<s<<"\n";

system("pause");

return 0;

}

Output:-

