

SERIES.CPP

```
//prog of series
#include<iostream.h>
#include<conio.h>
#include<math.h>
void main()
{
clrscr();
int x,n,i,j,f,l=0;
float sum=0;
cout<<"enter the value of x and n";
cin>>x>>n;
for(i=2;i<=n;i+=2)
{
f=1;
for(int j=1;j<=i;j++)
{
f=f*j;
}

sum+=(pow(x,i)/f)*pow(-1,l);
l++;
}
cout<<"*****Sum is ="<<sum<<"*****"<<endl;
getch();
}
```