Write a C program to calculate the following sum: Sum=1-x^2/2!+x^4/4!-x^6/6!+x^8/8!-x^10/10!

#include<stdio.h>

#include<conio.h>

#include<math.h>

void main()

{

int i,n=10,x;

long int fact=1;

float sum=1;

printf(“Enter the x value:”);

scanf(“%d”, &x); for(i=1;i<=n;i++)

{

fact=fact\*i;

if(i%2==0)

{

if(i==2||i=10||i==6)

sum+= -pow(x,i)/fact;

else

sum+=pow(x,i)/fact;

}

}

Printf(“sum is %f”, sum);

}