1. ****Python Program to Find the Sum of Cosine Series.****

import math

def cosine(x,n):

cosx = 1

sign = -1

for i in range(2, n, 2):

pi=22/7

y=x\*(pi/180)

cosx = cosx + (sign\*(y\*\*i))/math.factorial(i)

sign = -sign

return cosx

x=int(input("Enter the value of x in degrees:"))

n=int(input("Enter the number of terms:"))

print(round(cosine(x,n),2))

**OUTPUT**



