



main.c

Output



```
3 {
4     int i, n;
5     float x, sum=1, t=1;
6
7     printf(" Enter the value for x
8           : ");
9     scanf("%f",&x);
10
11    printf(" Enter the value for n
12          : ");
13    scanf("%d",&n);
14
15    x=x*3.14159/180;
16
17    /* Loop to calculate the value
18       of Cosine */
19    for(i=1;i<=n;i++)
20    {
21        t=t*(-1)*x*x/(2*i*(2*i-1));
22        sum=sum+t;
23    }
24    printf(" The value of Cos(%f)
25          is : %.4f", x, sum);
26    return 0;
27 }
```

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Run



main.c

Output



/tmp/SQ9rSndoJU.o

Enter the value for x : 3

Enter the value for n : 2

The value of Cos(0.052360) is : 0.9986|

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