#include <stdio.h>

int main()

{

int a;

int sum;

int t;

printf("enter a number :");

scanf("%d",&a);

for (int i=1;i<=a;i+=1)

{

t=1;

for (int j=1;j<=i;j+=1)

{

t=t\*i;

}

sum+=t;

}

printf("the sum is :%d",sum);

return 0;

}