import java.util.\*;

public class java{

public static void main(String args[])

{

Scanner sc=new Scanner(System.in);

System.out.println("enter the number");

int n=sc.nextInt();

int sum=0;

if(n<=0)

{

System.out.println("invalid");

}

else

{

while(n!=0)

{

sum=sum+n\*n;

n--;

}

System.out.println("Result:"+sum);

}

}

}