In [12]:

```
n=int(input("enter number"))
fact=1
for i in range(1,n+1):

    fact=fact*i
print("factorila of", n ,":",fact)
```

```
enter number7
factorila of 7 : 5040
```

In [16]:

```
n=int(input("enter number"))
for i in range(1,11):
    print(n,"*",i,"=",n*i)
```

```
enter number20
20 * 1 = 20
20 * 2 = 40
20 * 3 = 60
20 * 4 = 80
20 * 5 = 100
20 * 6 = 120
20 * 7 = 140
20 * 8 = 160
20 * 9 = 180
20 * 10 = 200
```

In [23]:

```
n=int(input())
sum_nat=n*(n+1)/2
print(sum_nat)
```

```
100
5050.0
```

In [29]:

```
# fibannoic series
n=int(input())
n1=0
n2=1
for i in range(n):
    print(n1)
    temp=n1
    n1=n2
    n2=temp+n2
```

```
5
0
1
1
2
3
8
```

In [39]:

```
n=input()
if n==n[::-1]:
    print("palindrome")
else:
    print("not palindrome")
```

```
111
palindrome
```

In [ ]:

```

```