

8.To check the given number is perfect or not

```
#8.perfect number or not
n=int(input())
c=0
for i in range(1,n):
    if n%i==0:
        c+=i
if c==n:
    print("Perfect number")
else:
    print("Not perfect number")
```

9.To check the given number is palindrome or not

```
#9.palindrome number or not
n=int(input())
temp=n
rev=0

while n>0:
    d=n%10
    rev=rev*10+d
    n//=10

if temp==rev:
    print("Palindrome number")
else:
    print("Not a palindrome number")
```

10.To check the given number is pronic or not

```
#10.pronic number or not
n=int(input())
f=0
for i in range(n):
    if i*(i + 1)==n:
        f=1
        break
if f==1:
    print("Pronic number")
else:
    print("Not a pronic number")
```