

```
val = input("Enter an integer ")
input = int(val)
quotient = input
armstrong = 0
while quotient >= 1:
    quotient = input/10
    remainder = input%10
    armstrong = armstrong + remainder * remainder * remainder
    input = int(quotient)
if int(val) == int(armstrong):
    print(val, "is armstrong")
else:
    print(val, "is not armstrong")
```

```
Enter an integer 567987
567987 is not armstrong
```

Saved successfully!



```
n=int(input("Enter the number: "))
c=0
a=1
b=1
if(n==0 or n==1):
    print(n," is Fibonacci number")
else:
    while c<n:
        c=a+b
        b=a
        a=c
    if c==n:
        print(n," is Fibonacci number")
    else:
        print(n," is not Fibonacci number")
```

```
Enter the number: 20
20 is not Fibonacci number
```