

1) PROGRAM for armstrong number.

```
n = int(input("Enter a number: "))

#initialize the sum

s = 0

t = n
while t > 0:

    digit = t % 10

    s += digit ** 3

    t //= 10

# display the result
if n == s:

    print(n,"is an Armstrong number")
else:

    print(n,"is not an Armstrong number")
```

2) Program for fibonacci number

```
num=int(input("Enter the number you want to check\n"))
temp=1
k=0
a=0
summ=0while summ<=num:
    summ=temp+k
    temp=summ
    k=temp
    if summ==num:
        a=a+1
        print("Yes. {} is a fibonnaci number".format(num))
        breakif a==0:
    print("No. {} is NOT a fibonacci number".format(num))
```