

1. Python Program to check Armstrong Number?

```
n = int(input("Enter a number: "))
s = 0
t = n
while t > 0:
    digit = t % 10
    s += digit ** 3
    t //= 10
if n == s:
    print(n,"is an Armstrong number")
else:
    print(n,"is not an Armstrong number")
```

2. Python Program for How to check if a given number is Fibonacci number?

```
number = int(input("enter number "))
n1, n2 = 0, 1
count = 0
if number <= 0:
    print("Please enter a positive integer")
elif number == 1:
    print("Fibonacci sequence upto",number,":")
    print(n1)
else:
    print("Fibonacci sequence:")
    while count < number:
        print(n1)
        nth = n1 + n2
        # update values
        n1 = n2
        n2 = nth
        count += 1
```