1. Python Program to check Armstrong Number?

      HINT : 153 = 1*1*1 + 5*5*5 + 3*3*3 // 153 is an Armstrong number.

Solution:
```
num=int(input('enter the number'))
 print(num)
 sum=0
temp=num
while temp>0:
   reminder=temp%10
   sum=sum+reminder3
   temp=temp10
 if num==sum:
   print(num,'Armstrong Number')
else
   print(num,'Not Armstrong Number')
```

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

  HINT : A Fibonacci sequence is the integer sequence of 0, 1, 1, 2, 3, 5, 8....

     The first two terms are 0 and 1.

     All other terms are obtained by adding the preceding two terms.

     This means to say the nth term is the sum of (n-1)th and (n-2)th term.

Solution: list=[ ]

```python
t1=0
t2=1
list.append(t1)
list.append(t2)
num=int(input('enter the number'))
temp=num
for i in range(1,num):
    temp=list[i]+list[i-1]
    list.append(temp)
print(list)
for i in range(0,num):
    if num==list[i]:
        print(num,'is fibanocci number')
        break
    else:
        print(num,'is not fibanocci number')
        break
```