

### 1. Armstrong Number Program :

```
x=int(input('enter a number'))
a=x
y=len(str(x))
sum=0
while x > 0 :
    num=x%10
    sum=sum+num**y
    x=int(x/10)
if sum == a:
    print("given number is armstrong",sum)
else :
    print("number is not armstrong")
```

### 2. Fibonacci number

```
x=int(input('enter seq num'))
a=0
b=1
while x >1:
    print(a)
    sum=a+b
    a=b
    b=sum
    x=x-1
```