

Assigement 1

1. Python Program to check Armstrong number ?

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

sum = 0

temp = num
while temp > 0:
    digit = temp % 10
    sum += digit ** 3
    temp //= 10
if num == sum :
    print (num,"is an Armstrong number")
```

```
Enter a number : 153
153 is an Armstrong number
```

2. Python Program to check Fibonacci Sequence

```
num = 10
n1, n2 = 0 , 1
print ("Fibonacci Serie : " , n1 , n2 , end=" ")
for l in range (2, num ):
    n3 = n1 + n2
    n1 = n2
    n2 = n3
    print (n3, end=" ")
print()
```

```
Fibonacci Serie : 0 1 1 2 3 5 8 13 21 34 55
```