1. Write a Python Program to Find the Factorial of a Number?

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

fact=1

if a<0:
    print("Please Enter a non negeitve number")
else:
    for i in range(1,a+1):
        fact=fact*i
    print(fact)
```

2. Write a Python Program to Display the multiplication Table?

```
n=int(input("Enter the number "))
for i in range(0,11):
    print (n*i)
```

3. Write a Python Program to Print the Fibonacci sequence?

```
a=int(input("How many terms : "))
n1,n2=0,1

count=0 #it is used for counting purpose
if a<=0:
    print("Enter a non negetive and non zero numebr ")
elif a==1:
    print("Fibonacci Series of ",a,"is :",a)
else:
    print("Fibonacci Series of ",a, "is :")

    while count<a:
        print(n1)
        nth=n1+n2 # adding the previous two term

        #updating the terms
        n1=n2
        n2=nth
        count=count+1
```

4. Write a Python Program to Check Armstrong Number?

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

# initialize sum
sum = 0

# find the sum of the cube of each digit
temp = num
while temp > 0:
```

```python
    digit = temp % 10
    sum += digit ** 3
    temp //= 10

# display the result
if num == sum:
   print(num,"is an Armstrong number")
else:
   print(num,"is not an Armstrong number")
```

5. Write a Python Program to Find Armstrong Number in an Interval?

```python
      lower = int(input("Enter the lower limit "))
upper = int(input("Enter the upper limit "))

for num in range(lower, upper + 1):

   # order of number
   order = len(str(num))

   # initialize sum
   sum = 0

   temp = num
   while temp > 0:
      digit = temp % 10
      sum += digit ** order
      temp //= 10

   if num == sum:
      print(num)
```

6. Write a Python Program to Find the Sum of Natural Numbers?

```python
n=int(input("Enter the number "))

sumofn=(n*(n+1))/2

print("Sum of Natural Numbers ",sumofn)
```