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

```python
def factorial(x):
    if x ==1:
        return 1
    else:
        return x*factorial(x-1)
x = 10
factorial(x)
```

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

```python
k = int(input("Enter the num: "))
for i in range(1,11):
    print(k, 'x', i, '=', k*i)
```

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

```python
a = 0
b = 1
x = int(input("Enter the num"))
for i in range(x):
    c = a+b
    a,b = b,c
```

4. Write a Python Program to Check Armstrong Number?

```python
sum = 0
def armstrong(num):
    global sum
    if num != 0:
        a = num%10
        sum += a**3
        armstrong(num//10)

    return sum

num = int(input("Enter the Number"))
```

```
        if armstrong(num) == num:

                print("Armstrong Number")

        else:

                print("Not an Armstrong Number")
```

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

```
        sum = 0
        def armstrong(num):
           global sum
           if num != 0:
              a = num%10
              sum += a**3
              armstrong(num//10)

           return sum

        x = int(input("Enter the Start Number: "))
        y = int(input("Enter the End Number: "))
        for i in range(x, y+1):

                if armstrong(num) == num:

                        print(num)

                else:

                        continue
```

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

```
        def sum(n):

                if n==1:

                        return 1

                else:

                        return n*sum(n-1)

        n = int(input("Enter the Value of n")

        sum(n)
```