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

num = int(input("number: "))

f = 1

for i in range(num, 0, -1):

f = f\*i

print(f)

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

num = int(input("number: "))

for i in range(1, 11):

    print(num\*i)

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

fibo\_l = int(input("length: "))

a = 0

b = 1

print(a)

print(b)

while(fibo\_length-2 > 0):

n= a + b

print(n)

a = b

b = n

fibo\_l -= 1

4. Write a Python Program to Check Armstrong Number?

n = 55

b = len(str(n))

sum1 = 0

while n != 0:

r = n % 10

sum1 = sum1+(r\*\*b)

n = n//10

if n== sum1:

print( " armstrong ")

else:

print( " not armstrong ")

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

lower = 105

upper = 2005

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

order = len(str(num))

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?

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

sum = 0

for i in range(1, num+1):

sum += i

print(sum)