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

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

fact = 1;

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

fact = fact \* i

print("Factorial of {} is {}" .format(num, fact))

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

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

for i in range(1, 11):

print("5 \* {} = {} ".format(i, num \* i))

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

term = int(input("Enter the number of terms : "))

a = 0

b = 1

term\_count = 0

if term < 0:

print("Invalid inputs")

elif term == 1:

print(a)

else :

while term\_count < term:

print(a)

sum = a + b

a = b

b = sum

term\_count = term\_count + 1

1. Write a Python Program to Check Armstrong Number?

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

sum = 0

temp = num

ctemp = temp

rc = 0

while ctemp > 0:

ctemp = ctemp // 10

rc = rc + 1

while temp > 0:

r = temp % 10

sum = sum + pow(r,rc)

temp = temp // 10

if num == sum:

print("Armstrong number.")

else:

print("Not Armstrong number.")

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

num1 = int(input("Enter the first number : "))

num2 = int(input("Enter the second number :"))

print("Armstrong number between {} and {} are " .format(num1, num2))

for i in range(num1, num2 + 1):

order = len(str(i))

sum\_pow = 0

temp = i

while temp:

temp , digit = divmod(temp, 10)

sum\_pow = sum\_pow + digit \*\* order

if i == sum\_pow:

print(i)

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

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

if num < 0:

print("Enter a positive number")

else:

sum = 0

while(num > 0):

sum = sum + num

num = num - 1

print("The sum is", sum)