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

n = int(input("enter a number : "))

a = 1

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

a = a \* i

print(a)

o\t - enter a number : 5

1

2

6

24

120

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

n = int(input("enter a number :"))

for i in range(1,11):

print(n\*i)

o/t –

enter a number :9

9

18

27

36

45

54

63

72

81

90

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

n = int(input("enter a number :"))

num1 = 0

num2 = 1

c = 0

if n == 1:

print(n)

else :

while c <= n:

print(num1)

a = num1 + num2

num1 = num2

num2 = a

c = c+1

o\t - enter a number :8

0

1

1

2

3

5

8

13

21

1. Write a Python Program to Check Armstrong Number?

a = int(input("enter a number : "))

c = a

sum=0

while a >0:

b=a%10

a=a//10

sum=sum+b\*b\*b

if c == sum:

print(c,"is armstrong number")

else:

print(c,"is not armstrong number")

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

lower = 100

upper = 500

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)

o\p - 153

370

371

407

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

n = int(input("Enter a number: "))

a = 0

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

a = a + i

print(a)