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

**Ans:** import math  
def fact(p):  
 return (math.factorial(p))  
num = int(input("Enter the number:"))  
f = fact(num)  
print("Factorial of", num, "is", f)

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

**Ans:** num = int (input (" Enter the number: "))  
# using for loop to iterate multiplication 10 times.  
print ("Multiplication Table of: ")  
for i in range (1,11):  
 print (num,'x',i,'=',num\*i)

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

**Ans:** def Fibonacci(number):  
 if (number == 0):  
 return 0  
 elif (number == 1):  
 return 1  
 else:  
 return (Fibonacci (number - 2) + Fibonacci (number - 1))  
number = int (input ("Enter the Range Number: "))  
for n in range (0, number):  
 print (Fibonacci(n))

1. Write a Python Program to Check Armstrong Number?

**Ans:** num = int (input ("Enter a number: "))  
sum = 0  
temp = num  
while temp > 0:  
 digit = temp % 10  
 sum += digit \*\* 3  
 temp //= 10  
if num == sum:  
 print (num, "is an Armstrong number")  
else:  
 print (num, "is not an Armstrong number")

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

**Ans:** lower = int (input ("Enter lower range: "))  
upper = int (input ("Enter upper range: "))  
for num in range (lower, upper + 1):  
 sum = 0  
 temp = num  
 while temp > 0:  
 digit = temp % 10  
 sum += digit \*\* 3  
 temp //= 10  
 if num == sum:  
 print(num)

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

**Ans:** num = int (input ("Enter the value of n: "))  
hold = num  
sum = 0  
if num <= 0:  
 print ("Enter a whole positive number!")  
else:  
 while num > 0:  
 sum = sum + num  
 num = num - 1  
 print ("Sum of first", hold, "natural numbers is: ", sum)