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

x **=** int(input("Enter a Number "))

factorial **=** 1

**if** x **<** 0:

print("Can not calculate Factorial of a negative number")

**elif** x **==** 0:

print("Factorial of zero is 1")

**else**:

**for** i **in** range(1,x**+**1):

factorial **=** factorial **\*** i

print("Factorial of {} is {}"**.**format(x, factorial))

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

x **=** int(input("Enter a no for Table"))

print("Multiplication table for",x)

**for** i **in** range(1,11):

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

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

**def** genfib(n):

a **=**1

b**=** 1

l **=**[]

**for** i **in** range(n):

l**.**append(a)

a , b **=** b , a**+**b

**return** l

1. **Write a Python Program to Check Armstrong Number?**

x **=** int(input("Enter the number : "))

power **=** len(str(x))

y **=** x

sum **=** 0

**while** y **>** 0:

digit **=** y **%** 10

sum **=** sum **+** digit **\*\*** power

y **=** y**//**10

**if** x **==** sum :

print("Number is armstrong number")

**else**:

print("Not an armstrong number")

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

x **=** int(input("Low no : "))

y **=** int(input("Up no : "))

**for** i **in** range(x,y**+**1):

power **=** len(str(i))

temp **=** i

sum **=** 0

**while** temp **>** 0:

digit **=** temp **%** 10

sum **=** sum **+** digit **\*\*** power

temp **=** temp**//**10

**if** i **==** sum :

print(i)

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

x **=** int(input("enter the number : "))

sum **=** 0

**for** i **in** range(0,x**+**1):

sum**+=**i

print("Sum of natural numbers upto {} is {}"**.**format(x,sum))