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

**Answer-**

num=int(input("Give the input nuber"))

total=1

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

total\*=i

print(f"factorial of number {num} is {total}")

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

**Answer-**

num=int(input("Give the input nuber"))

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

print(f" {num} \* {i} = {num\*i}")

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

**Answer-**

num=int(input("Give the input nuber"))

a=0

b=1

print(a,b,end=" ")

for i in range(2,num):

c = a + b

a = b

b = c

print(b,end=" ")

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

**Answer:**

num=int(input("Give the input nuber"))

n=num

total=0

while num>0:

r=num%10

total=total+r\*\*3

num=num//10

print(f"{n} is a amstrong number : {total==n}")

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

**Answer-**

num1=int(input("Give the start input nuber"))

num2=int(input("Give the end input nuber"))

for x in range(num1,num2):

total=0

num=x

while num>0:

r=num%10

total=total+r\*\*3

num=num//10

if total==x:

print(f"{x} is a amstrong number : {total==x}")

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

**Answer-**

num=int(input("Give the input integer "))

n=num

n=(n\*(n+1))/2;

print(f"Sum of natural {num} natural number is {n}")