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

**Ans:**

**num=int(input("Enter an integer> "))**

**mult=1**

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

**mult\*=i**

**print(mult)**

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

**Ans:**

**num=int(input("Enter an integer> "))**

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

**print(num,'x',i,'=',i\*num)**

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

**Ans:**

**num=int(input("Enter an integer >"))**

**start=0**

**end=1**

**c=[start, end]**

**for i in range(2,num):**

**temp=start+end**

**c.append(temp)**

**start=end**

**end=temp**

**print(c)**

1. Write a Python Program to Check Armstrong Number?

**Ans:**

**num=input("Enter a number > ")**

**sum=0**

**for i in range(len(num)):**

**sum=(int(num[i])\*\*3)+sum**

**if sum==int(num):**

**print("Armstrong Number")**

**else:**

**print("Not Armstrong Number")**

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

**Ans:**

**num1=int(input("Enter starting point> "))**

**num2=int(input("Enter ending point> "))**

**sum=0**

**for j in range(num1,num2):**

**sum=0**

**for i in range(len(str(j))):**

**sum=(int(str(j)[i])\*\*3)+sum**

**if sum==int(j):**

**print(int(j)," is Armstrong Number")**

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

**Ans:**

**num=int(input("Enter an integer> "))**

**sum=0**

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

**sum+=i**

**print(sum)**