**FIBONNACCI SERIES**

**PROGRAM:**

**first = int(input("enter 1st value:"))**

**second = int(input("enter 2nd value:"))**

**print(first)**

**print(second)**

**for x in range (1,12):**

**third = first+second**

**print(third)**

**first,second = second,third**

**OUTPUT:**

**enter 1st value:0**

**enter 2nd value:1**

**0**

**1**

**1**

**2**

**3**

**5**

**8**

**13**

**21**

**34**

**55**

**89**

**144**

**REVERSING THE NUMBERS**

**PROGRAM:**

**num=int(input("enter the num:"))**

**reversed\_num = 0**

**while num != 0:**

**digit = num % 10**

**reversed\_num = reversed\_num \* 10 + digit**

**num //= 10**

**print("Reversed Number: " + str(reversed\_num))**

**OUTPUT:**

**enter the num:123456789**

**Reversed Number: 987654321**

**NUMBER PYRAMID**

**PROGRAM:**

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

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

**for j in range(n,i,-1):**

**print("5",end="")**

**print()**

**OUTPUT:**

**enter the number:5**

**55555**

**5555**

**555**

**55**

**5**

**>>>**

**PYRAMID PATTERN**

**PROGRAM:**

**rows = int(input("Enter number of rows:"))**

**for i in range(rows,0,-1):**

**for j in range(0,rows-i):**

**print(end=" ")**

**for j in range(0,i):**

**print("\*",end=" ")**

**print()**

**OUTPUT:**

**Enter number of rows:5**

**\* \* \* \* \***

**\* \* \* \***

**\* \* \***

**\* \***

**\***

**SUM OF SERIES**

**PROGRAM:**

**def sumOfSeries(num):**

**res = 0**

**fact = 1**

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

**fact \*= i**

**res = res + (i/ fact)**

**return res**

**n = 5**

**print("Sum: ", sumOfSeries(n))**

**OUTPUT:**

**Sum: 2.708333333333333**