**PROGRAMS ON CONTROL STATEMENTS**

**Ex.no:4a(i) Sum of series**

**Date:7.1.23**

**Program:**

#Sum of series

s=0

f=1

n=int(input("Enter the number:"))

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

f=(f+1)\*i

s=s+(i/f)

print(s)

**Output:**

Enter the number:5

1.0328809767012013

**Ex.no:4a(ii) Fibonacci seris**

**Date:7.1.23**

**Program:**

#Fibonacci series

n=int(input("Enter the value of n:"))

a=0

b=1

sum=0

count=1

print("Fibonacci series:",end=" ")

while(count<=n):

print(sum,end=" ")

count+=1

a=b

b=sum

sum=a+b

**Output:**

Enter the value of n:8

Fibonacci series: 0 1 1 2 3 5 8 13

**Ex.no:4b Number pyramid-Inverted pyramid pattern with same digit**

**Date:7.1.23**

**Program:**

#Inverted pyramid pattern

n=5

for i in range(n):

for j in range(i,n):

print('5',end=" ")

print()

**Output:**

5 5 5 5 5

5 5 5 5

5 5 5

5 5

5

**Ex.no:4c Pyramid pattern-Right down mirror star pattern**

**Date:7.1.23**

**Program:**

#Right down mirror star pattern

n=int(input("Enter the number of rows:"))

for i in range (n):

for j in range (i):

print(" ",end="")

for j in range(n-i):

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

print( )

**Output:**

Enter the number of rows:5

\* \* \* \* \*

\* \* \* \*

\* \* \*

\* \*

\*

**Ex.no:4d Reversing of a number**

**Date:7.1.23**

**Program:**

#Reversing of number

n=int(input("Enter the num:"))

num=n

sum=0

while(n>0):

rem=n%10

sum=(sum\*10)+rem

n=n//10

print(sum)

**Output:**

Enter the num:4693

3964