EXPERIMENT-4

1a).SUM OF SERIES:

INPUT:

s=0

f=1

n=int(input("enter the value of n"))

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

f=(f+1)\*i

s=s+(i/f)

print(s)

OUTPUT:

enter the value of n6

0.5

0.8333333333333333

0.976190476190476

1.0216450216450215

1.0328809767012013

1.0351231291675689

1b).FIBBONACCI SERIES

**INPUT:**

**n=int(input("enter the value of 'n'"))**

**a=0**

**b=1**

**sum=0**

**count=1**

**print("fibbonacci series:",end=" ")**

**while(count<=n):**

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

**count+=1**

**a=b**

**b=sum**

**sum=a+b**

OUTPUT:

enter the value of 'n'7

fibbonacci series: 0 1 1 2 3 5 8

2.PYRAMID PATTERN OF NUMBER

INPUT:

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

3.PYRAMID OF STAR PATTERN

INPUT:

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

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4.REVERSING NUMBER

INPUT:

n=int(input("enter a num:"))

num=n

sum=0

while(n>0):

rem=n%10

sum=(sum\*10)+rem

n=n//10

print(sum)

OUTPUT:

enter a num:4321

1

12

123

1234