PROBLEMS ON CONTROL STATEMENT

EX NO:4

1.NUMBER SERIES:

CODE:

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

sum=0

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

sum=sum+(i/(i+1))

print("sum of the series is:",sum)

OUTPUT:

enter the value of n:10

sum of the series is: 7.980122655122655

2.INVERTED PYRAMID PATTERN WITH SAME DIGIT:

CODE:

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

for i in range(n,0,-1):

for j in ramge(1,i+1):

print(n,end="")

print("")

OUTPUT:

Enter the value of n:6

66666

6666

666

66

6

3.PYRAMID PATTERN –RIGHT DOWN MIRROR STAR PATTERN

CODE:

n=int(input("enter number of rows:"))

for i in range(n):

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

print(end=" ")

for j in range(i+1):

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

print()

OUTPUT:

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4.REVERSING A NUMBER

CODE:

num=int(input("enter a number"))

rev=0

while num>0:

rem=num%10

rev=(rev\*10)+rem

num=num//10

print("reversed number:",rev)

CODE:

enter a number54

reversed number: 45