EXPERIMENT-4

1.NESTED FOR LOOP

#NESTED FOR LOOP

for i in range (1,6):

print()

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

print(j,end="")

OUTPUT;

1

12

123

1234

12345

2.PRINT THE SERIES 0,2,6,12……N

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

a=0

d=2

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

print(a,end="")

a+=d

d+=2

OUTPUT:

Enter the value of n:7

02612203042

3.PRINT THE SERIES 0,2,8,…..

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

i=1

pr=0

while i<=n:

if(i%2==0):

pr =pow(i,2)-2

print(pr,end="")

else:

pr =pow(i,2)-1

print(pr,end="")

i+=1

OUTPUT:

Enter the range of number(limit):6

028142434

4.FOR LOOP:

#NESTED LOOP

for i in range (1,6):

print()

for j in range (i):

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

OUTPUT:

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5.DECIMAL TO BINARY:

dec=int(input("Enter a decimal number:"))

binary=0

ctr=0

temp=dec

while(temp>0):

binary=((temp%2)\*(10\*\*ctr))+binary

temp=int(temp/2)

ctr+=1

print("the binary of dec",binary)

OUTPUT:

Enter a decimal number:2

the binary of dec 10