1.Area using lambda

area\_of\_a\_rectangle = lambda l,b : l\*b

area\_of\_a\_square=lambda a: a\*a

area\_of\_a\_triangle=lambda l,b: (1/2)\*l\*b

print("Area of rectangle is:", area\_of\_a\_rectangle(3,4))

print("Area of square is:", area\_of\_a\_square(5))

print("Area of triangle is:", area\_of\_a\_triangle(6,7))

2.

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

for i in range(0, rows):

for j in range(0, i + 1):

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

print(" ")

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

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

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

print(" ")

3.append

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

list=[]

for i in range(0,n):

a=int(input("Enter the numbers: "))

b=a\*a

if ((b>=1000) and (b<=9999)):

list.append(b)

print(list)

4.fibonacci

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

n1, n2 = 0, 1

count = 0

if n <= 0:

print("Please enter a positive integer")

elif n == 1:

print("Fibonacci sequence upto",nterms,":")

print(n1)

else:

print("Fibonacci sequence:")

while count < n:

print(n1)

nth = n1 + n2

n1 = n2

n2 = nth

count += 1

5.merge dictionary

dict1 = { 'Ritika': 5, 'Sam': 7, 'John' : 10 }

dict2 = {'Aadi': 8,'Sam': 20,'Mark' : 11 }

dict3 = {\*\*dict1 , \*\*dict2}

print('Merged dictionary :')

print(dict3)