**PROGRAM: 4**

**Aim:** Write a program to implement various type of data structures available in python and their operations.

**Code:**

list = [1, "ananya", 1+1]

print(list)

list[1]

list.append("MODY UNIVERSITY")

print(list)

list.pop()

print(list)

dictionary = { 1:'a', 2:'b'}

print(dictionary)

print(dictionary.keys())

print(dictionary.values())

for index, value in enumerate(dictionary):

    print (index, value , dictionary[value])

for i in dictionary:

    print ("%d %s" %(i, dictionary[i]))

print(1 in dictionary)

del dictionary[1]

print(dictionary)

print(1 in dictionary)

tuple = (1,"ananya", 1+2)

print(tuple)

print(tuple[1])

tuple[2]

set = set()

for i in range(1,10):

    set.add(i)

print(set)

print("set =",set)

**Output:**





