Faculty of Technology and Engineering

U & P U Patel Department of Computer Engineering

Date: 13 / 12/ 2021

Laboratory Manual

Academic Year	:	2021-22	Semester	:	4 h
Course code	:	CE259	Course name	:	Programming In Python

PRACTICAL – 2

Aim: Study and Learn List, Tuple, Set and Dictionary

Dictionary

a. Write a Python script to check whether a given key already exists in a dictionary.

b. Write a Python script to merge two Python dictionaries.

c. Write a Python program to sum all the items in a dictionary.

d. Write a Python script to add a key to a dictionary.

Sample Dictionary: {0: 10, 1: 20}

Expected Result: {0: 10, 1: 20, 2: 30}

e. Write a Python script to concatenate the following dictionaries to create a new one.

Sample Dictionary:

dic1={1: 10, 2: 20}

dic2={3: 30, 4: 40}

dic3={5: 50, 6: 60}

Expected Result : {1: 10, 2: 20, 3: 30, 4: 40, 5: 50, 6: 60}

Tuple

a. Write a Python program to create a tuple with different data types.

b. Write a Python program to create a tuple with numbers and print one item

c. Write a Python program to add an item in a tuple.

d. Write a Python program to convert a tuple to a string.

e. Write a Python program to find the length of a tuple.

Set

a. Write a Python program to add member(s) in a set and clear a set

b. Write a Python program to remove an item from a set if it is present in the set.

c. Write a Python program to create an intersection, Union, difference of sets.

d. Write a Python program to find maximum and the minimum value in a set.

4. Write a Python program to find the most common elements and their counts from list, tuple, dictionary.