

School of Computer Engineering and Technology (Cybersecurity and Forensics)

Python Programming Lab Assignment No:05

Problem Statement:

Different Operations on Dictionary and Tuple Data Structure.

Aim:

Write a python program to create, append and remove etc. operation on Dictionary and Tuple.

Objectives:

To learn and implement Dictionary and Tuple Data Structure.

Theory:

Write down about different operations performed on Dictionary and Tuple Data Structure.

Platform: Windows/Ubuntu-Python Editor(jupyter notebook)

Input: Different Dictionary and Tuple Data Structure and different operations

Output: Display Different operation performed on Dictionary and Tuple Data Structure

Exercises on Dictionary and Tuple

Perform following exercises and upload a single file of jupyter notebook containing all exercise's code and respective outputs.

1. Assign 5 elements in the dictionary named my_dict. This dictionary contains student's information. Add and delete student information from my_dict. Display student information.
2. Convert list to dictionary
e.g. list1=['name', 'panel', 'rollno']
list2=['ABC', 'B',34]
my_dict= {'name': 'ABC', 'panel': 'B', 'rollno':34}

3. Sort the elements of the dictionary using sorted() function
my_dict= { 'name': 'ABC', 'panel': 'B', 'rollno':34, 'marks':[65,87,67,94]}
sorted(my_dict)

Conclusion:

Studied python Dictionary and Tuple Data Structure.

FAQs:

1. What will be the output of the following code snippet?
a=[1,2,3,4,5,6,7,8,9]
print(a[:2])
2. What will be the output of the following code snippet?
l = [1, 2, 3]
init_tuple = ('Python',) * (l.__len__() - l[::-1][0])
print(init_tuple)
3. State the difference between **list** and **dictionary**.