**\*\*\* Dictionary \*\*\***

1. 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}

2. Write a Python script to concatenate 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}

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

4. Write a Python program to iterate over dictionaries using for loops.

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

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

7.  Write a Python program to remove a key from a dictionary.

8.  Write a Python program to sort a dictionary by key.

9. Write a Python program to get the maximum and minimum value in a dictionary.

10. Write a Python program to check a dictionary is empty or not.

11. Write a Python program that inverts a dictionary. That is, it makes key of one dictionary as value of another and vice versa.

**Exa: original = { “roll” : 101, “name” : “Sachin”, “Per” : 67.54)**

**New\_dict = { 101 : “roll”, “Sachin” : “name” , 67.54 : “Per”)**

12. Write a Python program that combines the lists to a dictionary.

13. Write a Python script to generate and print a dictionary which contains a number (between 1 and n) in the form(x,x\*x).

**Sample Dictionary (n=5)**

**Expected Output:** {1:1, 2:4, 3:9, 4:16, 5:25}