**1.** Write a Python script to sort (ascending and descending) a dictionary by value.

**2.**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}

**3.** 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}

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

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

**6.** Write a Python script to generate and print a dictionary that 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}

**7.** Write a Python script to print a dictionary where the keys are numbers between 1 and 15 (both included) and the values are square of keys.   
Sample Dictionary  
{1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36, 7: 49, 8: 64, 9: 81, 10: 100, 11: 121, 12: 144, 13: 169, 14: 196, 15: 225}

**8.** Write a Python script to merge two Python dictionaries. 

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

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

**11.** Write a Python program to multiply all the items in a dictionary. 

**12.** Write a Python program to remove a key from a dictionary. 

**13.** Write a Python program to map two lists into a dictionary. 

**14.** Write a Python program to sort a dictionary by key. 

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