Q.1) Consider following dictionary as local variable of a user-defined function. This function contains one parameter/argument. Prepare body of this function to check whether specified parameter is present as key or as value in that dictionary.

dict1 = {"one": 10, "two": 20, "three": 30, "four": 40, "five": 50, "six": 60}

If it is present as key or value then return True otherwise return False.

Also write main script to test working of this function.

Q.2) Consider following dictionary and write the main script to print only unique values from it.

```
dict1 = {
    'list1': [4, 7, 10, 20],
    'list2': [7, 16, 9, 10],
    'list3': [13, 10, 4, 8],
    'list4': [7, 20, 6, 11]
    }
```

Expected Output = [4, 6, 7, 8, 9, 10, 11, 13, 16, 20]

Q.3) Consider following dictionary and print the sum of all keys and values of it.

dict1 = {1: 10, 2: 20, 3: 30, 4: 40, 5: 50, 6: 60}

Q.4) Consider following dictionary and list and write the main script to remove the keys from dictionary which are specified in list.

dict1 = {"one": 10, "two": 20, "three": 30, "four": 40, "five": 50, "six": 60}

ls = ["three", "five"]

Q.5) Consider following list and prepare a dictionary contains unique values as key and their count as it's values.

ls = [1, 2, 3, 2, 2, 4, 5, 6, 5, 4, 2, 1, 3, 4, 5, 5, 6, 7, 7, 8, 1, 3, 4, 5, 7, 5]

Expected output :

dict1 = {1:3 , 2:4, 3:3, 4:4, 5:6, ….. }

Q.6) Consider following dictionary and write the main script to generate a list contains the keys that continuously occurs specified times as its value.

Given dictionary: dict1 = {1:3, 2:5, 4:5:, 7:3, 11:7, 13:2}

Expected output: ls = [1,1,1,2,2,2,2,2,4,4,4,4,4,7,7,7,11,11,11,11,11,11,11,13,13]

Q.7) Consider following dictionary that contains marks of 6 students. Write main script to print the name of students containing maximum and minimum marks from it.

marks = {"Vinay":61, "Tushar":52, "Vishal":55, "Tanmay":71, "Amey":70, "Amit":65}

Q.8) Consider following dictionary and fetch the {k:v} pair from it which contains "in" in either key or value.

dict1 = {"college": "amazing", "king": "packing", "being": "power", "inning": "donate"}

create a new dictionary contains resulting {k:v} pairs.