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

```
dic1={1:10, 2:20} dic2={3:30, 4:40} dic3={5:50,6:60}
```

```
In [1]: dic1 = {1:10, 2:20}
In [3]: dic2 = {3:30, 4:40}
In [4]: dic3 = {5:50, 6:60}
In [16]: dic4 = {**dic1, **dic2, **dic3}
In [17]: dic4
Out[17]: {1: 10, 2: 20, 3: 30, 4: 40, 5: 50, 6: 60}
```

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

```
In [20]: d = {1: 10, 2: 20, 3: 30, 4: 40, 5: 50, 6: 60}
    def is_key_present(x):
        if x in d:
            print('Key is present in the dictionary')
        else:
            print('Key is not present in the dictionary')
        is_key_present(3)
        is_key_present(7)
Key is present in the dictionary
Key is not present in the dictionary
```

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

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

5. Write a Python program to get the key, value and item in a dictionary.

Nested Loop

```
In [23]: d3= {'kl':[{'nest_key':['this is deep',['hello']]}}}
In [24]: d3
Out[24]: {'kl': [{'nest_key': ['this is deep', ['hello']]}}}
In [28]: d3['kl'][0]
Out[28]: {'nest_key': ['this is deep', ['hello']]}
In [29]: d3['kl'][0]
Out[29]: {'nest_key': ['this is deep', ['hello']]}
In [30]: d3['kl'][0]['nest_key']
Out[30]: ['this is deep', ['hello']]
In [31]: d3['kl'][0]['nest_key'][1]
Out[31]: ['hello']
```