

Python Programming

Lab Assignment - 12

Dictionary

Questions :

1) Write a Python script to concatenate the 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}

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

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

1) Write a Python script to concatenate the 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}

Sol :

```
dic1 = {1: 10, 2: 20}
```

```
dic2 = {3: 30, 4: 40}
```

```
dic3 = {5: 50, 6: 60}
```

```
merged_dict = {**dic1, **dic2, **dic3}
```

```
print("Merged Dictionary:", merged_dict)
```

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

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

Sol :

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

```
for key, value in dict_num.items():
```

```
    print(f"Key: {key}, Value: {value}, Item: ({key}, {value})")
```