lap7\_Dictionary\_ANP-C7281 and ANP-C7374

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**1. Write a Python program and calculate the mean of the below dictionary**.

test\_dict = {"A" : 6, "B" : 9, "C" : 5, "D" : 7, "E" : 4}

Output: 6.2

**PROGRAM :**

test\_dict = {"A": 6, "B": 9, "C": 5, "D": 7, "E": 4}

mean\_value = sum(test\_dict.values()) / len(test\_dict)

print("Mean:", mean\_value)

**OUTPUT :**

Mean: 6.2

2.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}

**PROGRAM :**

dic1 = {1: 10, 2: 20}

dic2 = {3: 30, 4: 40}

dic3 = {5: 50, 6: 60}

concatenated\_dict = {}

for d in [dic1, dic2, dic3]:

    concatenated\_dict.update(d)

print("Concatenated dictionary:", concatenated\_dict)

**OUTPUT :**

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

3.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}

Output:

key value

1 10

2 20

3 30

4 40

5 50

6 60

**PROGRAM :**

## dict\_num = {1: 10, 2: 20, 3: 30, 4: 40, 5: 50, 6: 60}

## print("key\tvalue")

## for key, value in dict\_num.items():

## print(key, "\t", value)

**OUTPUT :**

key value

1 10

2 20

3 30

4 40

5 50

## 6 60