…………………………………………………………………Assignment……………………………………………………………………..

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}

//code

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

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

print("Mean:", mean\_value)

output: Mean: 6.2

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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}

dic1 = {1: 10, 2: 20} # Sample Dictionaries

dic2 = {3: 30, 4: 40}

dic3 = {5: 50, 6: 60}

def concatenate\_dicts(\*dicts): # Function to concatenate dictionaries

concatenated\_dict = {}

for d in dicts:

concatenated\_dict.update(d)

return concatenated\_dict

concatenated\_dict = concatenate\_dicts(dic1, dic2, dic3) # Concatenate dictionaries

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

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

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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}

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

def get\_key\_value\_item(dictionary): # Function to get key, value, and item

for key, value in dictionary.items():

print("Key:", key)

print("Value:", value)

print("Item (Key-Value pair):", (key, value))

print() # For spacing between items

get\_key\_value\_item(dict\_num) # Call the function

output: Key: 1

Value: 10

Item (Key-Value pair): (1, 10)

Key: 2

Value: 20

Item (Key-Value pair): (2, 20)

Key: 3

Value: 30

Item (Key-Value pair): (3, 30)

Key: 4

Value: 40

Item (Key-Value pair): (4, 40)

Key: 5

Value: 50

Item (Key-Value pair): (5, 50)

Key: 6

Value: 60

Item (Key-Value pair): (6, 60)

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