

1. Write a program to create tuples (name, age, address, college) for at-least two members and concatenate the tuples and print the concatenated tuples.

Source code:

```
m1 = ("venky",581, "VSP", "India")
m2 = ("Dev", 10, "Ishu", "5")
concat = m1 + m2
print("Concatenated tuple:", concat)
```

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2. Write a program to count the number of vowels in a string (No control flow allowed).

Source code:

```
text = "Welcome to Python programming LAB"
vowel_count = sum(1 for char in text.lower() if char in {'a', 'e', 'i', 'o', 'u'})
print("Number of vowels:", vowel_count)
```

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3. Write a program to check if a given key exists in a dictionary or not.

Source code:

```
student = {"name": "John", "age": 21, "grade": "A"}
key = "age"
ex = key in student
print(key,ex)
```

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4. Write a program to add a new key-value pair to an existing dictionary.

Source code:

```
employee = {"name": "venky", "position": "Senior Assistant Professor"}
employee["Department"] = "AI & DS"
print("Updated data:", employee)
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5. Write a program to sum all the items in a given dictionary.

Source code”

```
prices = {"venky": 12, "devansh": 25, "ishitha": 54}
total = sum(prices. values())
print("Total sum:", total)
```

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