Q1: How to declare this dictionary? Try to declare a dictionary with three records

A1: In order to declare a dictionary, user should have keys and values within curly brackets.

Q2: How to add new record to this dictionary?

A2: By using a new index key and a value. For example, dictionary[“newKey”] = “newValue”

Q3: How to remove record from the dictionary?

A3: There are several ways to remove record. First, pop() method, Second, popitem() method, Last, del keyword.

* What is Tuple?

Tuple is a collection which is ordered and unchangeable.

* How do you compare SET, List and Tuple?

Set is unordered, unindexed, and no duplicate members. List is ordered, changeable, and allows duplicate members. Tuple is ordered, unchangeable, and allows duplicate members.

* How to declare the username\_list using SET? How to do it using Tuple?

Set is declared by using curly brackets. Tuple is declared by using round brackets

* How to add new record to the Set or Tuple?

For Set by using add() and update() methods. You cannot add record to the Tuple.

* How to remove an entry from the Set or Tuple?

For Set by using remove(), discard(), and pop() methods. You cannot remove an item from the Tuple.

* For implementing/storing/adding/deleteing/displaying a list of username, How do you compare these three structures (LIST, SET, TUPLE) in Python? Which one of them do you recommend? And why?

I recommend to use List because Tuple is unchangeable so it’s inappropriate to edit. Set is unordered and unindexed that means totally random so it’s not suitable to display in certain form. Thus, I would recommend List to do everything.

