Quiz 1

Question 1:

Suppose an instructor of a class has to maintain record of his students in a python dictionary data structure. The designed system asks the instructor for a record of each student one by one as a console input and passes it through a set of sequential steps before generating a dictionary data structure.

Write a Python script to perform following set of operations to generate dictionary of data for students.

1. The script should ask the instructor repeatedly for a *"student ID"*, *"name"* and his *"residential city name"* and store it in three different *lists*. If the instructor types *"**stop**"* the loop should exit.   **[4]**

2. Traverse the three lists generated in *"**part 1**"* and create a *dictionary* data structure out of it. The script should take ID of student as a *Key* of the *dictionary* and rest of the attributes as a list within that dictionary in following sequence: {1:["name","city"]}   **[4]**

3. Once dictionary is created, the instructor should be able to query the data. He should provide ID of the student as a console input and script should return the name and city of the student.   **[2]**