Question 2: Programming component description：

    My responsibilities of this project is setting up the persistence and finishing the first part log in system.

1.Persistence: In this part, I would use shelve to set up a database in order to save, get and delete the data. According to my group's discuss, I designed the persistence consists of 9 methods:

        1. addAccount(): this method is in order to add a created account to the shelve.

        2.getAccount(): this method is in order to return a dictionary of all accounts or a particular account.

        3.delete(): the function of this method is delete a created account from shelve

        4.addQuiz(): the function of this method is adding the instructor's quiz to the shelve

        5.getQuiz(): the function of this method is get a particular quiz or get all the quiz

        6.addQuizResult(): the function of this method is add students' quiz result to the shelve

        7.addAllStudentQA(): the function of this method is add all students' quiz attempt to shelve

        8.getStudentQA(): the function of this method is get the student's quiz attempt from the shelve

        9.removeQuizResult(): the function of this method is remove the student's quiz result from the shelve

2. login: In this part, the module is created for creating new account and log in function. I have created two methods so far:

        1. createAccount(): in this method , the function of it is creating a new account and save it into persistence dictionary named "Account"

        2.userlogin(): in this method, it will determine whether the account is in the persist or not. If it is in it, it will invoke that value and log in to the system. But it hasn't finished yet.