SU\_Lab2 : Databased Admin Tool

Objective: Develop an admin tool for username and password management. You will need to use the best data structure to store the data you read from UD.txt for efficient processing. You can accomplish these tasks with **Dictionary** or **List**.

The data file (UD.txt) :

FIRST NAME,LAST NAME,USERNAME,PASSWORD

Sam,DDal,sdd233,Pad231

Dave,Dcon,dcf987,BHYW4fw

Dell,Grant,dgr803,Sb83d2d

Mike,Kress,mkr212,UNNHS322

Lisa,Kate,lki065,dgw6234

Paul,Edward,ped332,9891ds

Youyou,Tranten,ytr876,dsid21kk

Nomi,Mhanken,nmh223,3282jd3d2

Write a program that imports the database from UD.txt

Give the following options:

A: Search by last name

B: Search by first name

C: Search by username

D: Display all users alphabetically by First name

E. Display all users alphabetically by Last name

F: Insert a user

1. **When user select A**, prompt the user “Enter user’s last name:”

If the user is found, display the user’s info. For example: Sam, DDal,sdd233,Pad231

If user not found, display “Not found”, and return the user to main menu

1. **When user select B**, prompt the user “Enter user’s first name:”

If the user is found, display the user’s info. For example: Sam, DDal,sdd233,Pad231

If user not found, display “Not found”, and return the user to main menu

1. **When user select C**, prompt the user “Enter user’s username:”

If the user is found, display the user’s info. For example: Sam, DDal,sdd233,Pad231

If user not found, display “Not found”, and return the user to main menu

1. **For D**, display all the user’s information with First name in alphabetically order. For example, with our current database, “Dave, Dcon,dcf987, BHYW4fw” will appear first, and “Youyou,Tranten,ytr876,dsid21kk” will appear last.
2. **For E**, display all the user’s information with Last name in alphabetically order. For example, with our current database, “Dave, Dcon,dcf987, BHYW4fw” will appear first, and “Youyou,Tranten,ytr876,dsid21kk” will appear last.
3. **For F,** prompt the user “Enter user info in the following format: First name, last name, username, password”, process the string and save the information into the UD.txt.

Check your input in the UD.txt file, make sure you start a new line when saving the new user info.

**Important: Declare one function called “def output ()” to output information for option D and E.**