CO225:Software Construction
Data exchange format

Objective: Introduce;

- Data exchange formats
- use them in an application.

Description: In this laboratory class, you are expected to create an application that would display the phone number given the first name or the surname. The user will input the name with the prefix F: to denote the following name is the first name and L: to denote that it is the surname (or last name). The input should be given form the command-line when prompted. If one type "F:Dhammika" you should display the phone number where the first name is Dhammika. Similarly, if one types "L:Elkaduwe" you should display the phone number where the last name is Elkaduwe.

Phone numbers and names should be imported from your contact list (example: Google contact list). You should create suitable data structures to implement the above functionality. First export the contact list in a suitable format and generate the required data structures using it.

Note that you can have more than one contact with the same first name or the last name. When searching you should display all these names.

Submission: Submit your code; including the contact list in a suitable format as a single tar file.