**PRG11000**

* Program a text bar. A two-dimensional list, which prints out information like a number, a name, or information about a specific thing, read from a file when asked. It needs to read to be able to add information to it and works against a file.
* Create a dictionary and read and add data into the dictionary. How to add input?
* Bring data from a database. Needs to create a list, present in the list, choose from the list, and bring forward data from a database.
* Registers new members, dogs, items, etc. in an existing customer.

**Focus should be**

* Two – dimensional list
* Adding and bringing further data in GUI.
* Object-oriented programming.

**Case:** Create a program that reads all dog information into a two-dimensional dictionary. It should print out the dog's name and breed of a specific dog when the program asks the user to enter the DogID. The program should run as long as the users want to.

Create a program that reads all information about dogs into a two-dimensional list. When reviewing the list, it should also be possible to get the client's mobile number and last name.

Create a window where you have a list of all registered dogs (DogID and dog name) sorted by dog name. When you choose a dog from the list, you should get information about the owner (first name and last name).

Create a window where you have a list of all registered dogs (DogID and Dog name), sorted by dog name; when one chooses from the list, they get information about the owner (Surname and lastName)

Create a window where one registers a new dog to an existing dog owner. User would need to provide mobile number and get the information about the owner, like first name and last name, and a map on how to register a new dog.

Create a window to register a new dog on an existing customer.

Object-oriented programming to register a dog.