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1. **Objective**

This program allows you to add new information (name, email) about a user in a database, and also display all users stored in the database.

1. **Details of the Program**

The program is written in Python and connects to a database created in SQL. The program has a screen that appears as soon as you run it. The screen has text fields where you can enter the email and name of the user you want to add to the database. The screen also has two buttons: one to add the user and one to display the users that are in the database. There is another field that displays the users in the database when you click the button to view them.

1. **Target Audience**

The target audience for this program are companies that need to manage and store customers or users. Companies looking for a simple program, easy to use, that helps with organization

1. **Features**

The features of this program are:

* Simple interface
* Python

1. **Requirements**

To use the program, you first need to have a SQL database that contains a table of users, and this table needs to have two fields: name and email. If you want to run this program via cmd, you need to have Python and its dependencies downloaded and installed on your computer.

1. **Limitations**

The limitations of this program are:

* You can only add one user at a time
* You can only add name and email, no other information
* You need to have a database set up with a table containing two fields
* You can only add and view users, you cannot remove or edit

1. **Questions**

Can I use this program to add subjects other than users?

* Yes, you can, if you have a table with two fields in the database. But the purpose of the program is to add users.

Can I run this program on my cell phone?

- No, you cannot. This program only works on computers.

Will this program work on my old computer?

- Yes, it is a fast and simple program, it works on any computer.

Can I add more information about a user, such as age?

- No, you cannot. You can only use name and email.

Can I use this program on my MacOS?

* Yes, you can, the program has versions for Windows, MacOS and Linux. If you download the MacOS version, you can run it on your computer.

**Answer the questions**

* What’s the difference between a database and a spreadsheet?

- In a spreadsheet, you store data using cells organized into rows and columns. The best case for using spreadsheets is when you want to store simple data without complex relationships.

In a database: You store data in tables with records (rows) and fields (columns) linked through relational connections, allowing for more complex and sophisticated data organization.

* Why is Python so popular for beginners?
* Because it's easier to learn. It's easier than other languages ​​because Python is a high-level language. The higher the level, the easier. Python uses fewer words, it's simple.
* What are the advantages of using version control systems like Git?
* For organization. You can store your files and save all the changes you make to them. So, did you or someone else delete something important in your code? No problem, you can use Git to access the previous version of that. And Git is great for working with more people. Everyone can work on the same code at the same time. And all the changes someone makes are saved and stored.
* How does data backup protect information?
* If your data is deleted, you don't have to worry because it will be saved somewhere else, allowing you to restore everything you lost. That's why backup is important. Even something as simple as deleting a photo and wanting to recover it, with a backup you can recover it; without a backup, you can't.
* What’s the role of logic in programming?
* To write code, you need to think ahead. You need to think about what you are going to do and how you are going to do it. If you can think about what your program needs to do and how to do it, then you can program in any language. The logic is the most important thing, the language is just a way of doing what comes to your mind.
* What is the difference between frontend and backend?
* The frontend takes care of the design part of the program; the backend takes care of the part that is not visible. Think of a website with a search bar, images, text, text fields, etc. Everything you see is the frontend. Let's talk about the search bar: the user types in the name of a product and the website returns that product. How does it work? Well, the search bar is placed on the website by the frontend, but the logic behind it, which returns the product you are looking for, is done by the backend. This is the part of the program that you cannot see working.

**Extra Challenge:**

Inclua uma breve recomendação pessoal com base em sua experiência:

* I recommend starting by learning HTML and CSS. They are not programming languages, but they are languages ​​used by the frontend to create and design programs and websites. For the first programming language, I recommend starting with Python, as it is easier than the other languages. And I would say that it is important to learn SQL. It is not a programming language, but it is the language for manipulating databases. Many programs use databases, so if you know SQL, you will be able to analyze the database better.