Week 2: Discussion Forum Post 1

Instructions

Respond to the Discussion Question posted by your instructor below and then respond to at least two peer's posts (by Sunday before Midnight).

Databases can be fully created and manipulated using both the command-line version (psql) and the graphical user interface (GUI) version (pgAdmin 4). From a user's perspective, briefly discuss what would be the most challenging to use and why? Explain what your main reason is.

Hello Everyone,

Most command-line interface tasks only require a keyboard, while GUI systems require a mouse and keyboard. So, command-line users generally don't need to switch hands between the two places. A command-line interface, on the other hand, usually only requires a few lines of code to perform a complex task. The command line is less resource-intensive than a GUI system because it will load icons, fonts, I/O drivers, and other resources. For these three reasons, command-line users can complete most tasks faster than GUI users. Command-line users can create scripts and save time, while GUI users can do the same with features like creating shortcuts.

While new users may need to learn how to operate the mouse, the GUI is easier to capture than using the command line. Unlike GUIs, command-line users need to be quite familiar and need to memorize various commands to do their job. However, command-line users have more control over files and the operating system. And to perform some advanced tasks, the command line may be the only option (sometimes). GUI systems facilitate multitasking by providing a graphical way to monitor multiple things (processes) simultaneously (many command-line environments offer to multitask but viewing multiple things at once is more difficult).

I particularly prefer the prompt because in this learning phase I can have more knowledge of the logical reasoning that is behind the buttons of the GUI and when I can't reach the expected results, this acquired knowledge will give me the basis to correct the path.

Fernanda Abad

Hello Lucas,

I agree with you, I also particularly prefer the command line, and forcing us to use it at the beginning of learning is very important to clarify the engineering done behind it, seeing how the commands work makes us have the technical knowledge and awaken the logical thinking.

Fernanda Abad

Hi Anderson,

Before starting in this IT area, I avoided the black screen with white letters, this may seem complicated at first, but memorizing some commands will be more practical than decorating menus.

Fernanda Abad