

# Keep thinking: Section 11

## *The Complete Python/PostgreSQL Developer Course*

Although quizzes are great to test your knowledge and do some quick revision, in some cases more extended questions and thought is necessary.

The questions in this document are solely for you to think about and try to answer. Use the internet and the course to try to answer them.

Once you've answered them, create a discussion in the Course Q&A so we can have a chat about what you've thought about them.

### **Question: what happens when you add a file to the staging area (with `git add`)?**

We know that we when add a file to the staging area, it goes to some place where Git then knows it is to be committed.

Let's explore a bit further and see if we can find out what Git is doing behind the scenes. We can do this by going into the `.git` folder in your project. You may have to open this with a terminal, or enable the option in your operating system to show hidden files and folders.

Before adding files, have a look at what is inside the `.git` folder—I promise there's not too much there. While looking, some files may look like they have strange symbols in them. This is something you may encounter quite often when programming, just try to understand more or less what the file contains.

Then, add files and see what changes!

### **Question: after committing those files, what files change in the `.git` folder? What do the files in `logs/refs/*` show?**

Like the last question, but what happens when you complete the commit for the files you added while answering the last question?

Are the files committed stored anywhere? Do any files change to show a history of the commits?

Understanding what goes on behind the scenes is important so that you are not easily confused by how Git works and operates. However, it won't answer all and every question!

Sometimes, reading the documentation or a great book on the subject is necessary.

Your instructor

— Jose