**Exercise 2**

.gitignore is a text file that tells Git which files or directories to ignore in a project. It helps you keep your repository clean by preventing unwanted files, like temporary files, build artifacts, or personal configuration files, from being accidentally committed.

### How to use .gitignore

To use .gitignore, you simply create a file named .gitignore in the root directory of your Git project. Inside this file, you list the patterns of files or directories you want Git to ignore. Each pattern should be on a new line.

Here are some common patterns you can use:

* **file.txt**: Ignores a specific file named file.txt in any directory.
* **folder/**: Ignores a directory named folder and everything inside it.
* **\*.log**: Ignores all files with the .log extension.
* **build/**: Ignores the build directory, which is often used for compiled code.1
* **#**: Use a # to add comments to your .gitignore file, making it more readable.

After creating or updating the .gitignore file, Git will automatically stop tracking the specified files and directories. If you have already committed a file that you now want to ignore, you need to remove it from the repository's history with git rm --cached <filename> before adding the file to .gitignore and committing the changes.

**Output:**





