**Create a new Foundry project**

**More setup**

Make sure we are in the folder we created in the previous lesson.

**Reminder**: We ran the following commands

mkdir foundry-f23

cd foundry-f23

Now type the following commands:

mkdir foundry-simple-storage-f23

cd foundry-simple-storage-f23

You can always make the cd command faster by pressing the Tab key after you type the first couple of letters from the destination name. Tab lets you autocomplete a lot of commands/paths.

If you type code . a new instance of VS Code will open, having the foundry-simple-storage-f23 as the default path.

You can see the contents of this folder on the left sidebar. Try the following command:

touch randomFile.txt

This will create a randomFile.txt

If you want to delete it type:

rm randomFile.txt

The terminal is pretty slick when it comes to moving/opening/creating directories/files, changing paths and generally running things. I recommend going through [this tutorial](https://ubuntu.com/tutorials/command-line-for-beginners#1-overview) if you want to learn how to move extra fast.

**Creating a New Project**

The way you [create a new Foundry project](https://book.getfoundry.sh/projects/creating-a-new-project) is by running the forge init command. This will create a new Foundry project in your current working directory.

If you want Foundry to create the new project in a new folder type forge init nameOfNewFolder.

Keep in mind that by default forge init expects an empty folder. If your folder is not empty you must run forge init --force .

Be sure to configure your username and email if you encounter errors related to Git configuration.

git config --global user.email "yourEmail@provider.com"

git config --global user.name "yourUsername"

**But what does all this mean?**

lib is the folder where all your dependencies are installed, here you'll find things like:

* forge-std (the forge library used for testing and scripting)
* openzeppelin-contracts is the most battle-tested library of smart contracts
* and many more, depending on what you need/install

scripts is a folder that houses all your scripts

src is the folder where you put all your smart contracts

test is the folder that houses all your tests

foundry.toml - gives configuration parameters for Foundry

More on these folders and files later.

Please right-click src, click on New File and name it SimpleStorage.sol. Copy the code available [here](https://github.com/Cyfrin/foundry-simple-storage-f23/blob/main/src/SimpleStorage.sol).

One last thing, please delete Counter.s.sol, Counter.sol and Counter.t.sol. These files are a set of basic smart contracts that Foundry provides as a default when you create a new Foundry project.