

# Lesson notes: setting up our virtual environment

## 1. Creating our virtual environment

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### Mac using zsh / bash, or Windows using GitBash

Remember that with Windows you shouldn't need to use `python3`, you can just use `python`. If you get this error:

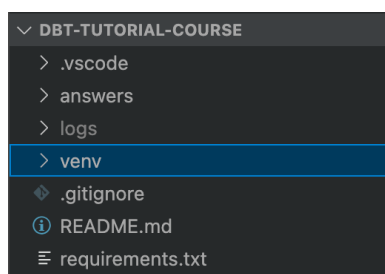
| 'python' is not recognized as an internal or external command

Then you'll want to follow [this guide](#).

### Step 1: create virtual environment

```
python3 -m venv venv
```

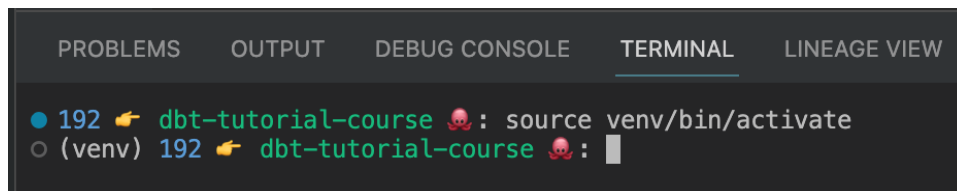
You should see a new folder called `venv` appear



### Step 2: activate it

```
source venv/bin/activate
```

You should see `(venv)` now appear next to your terminal line



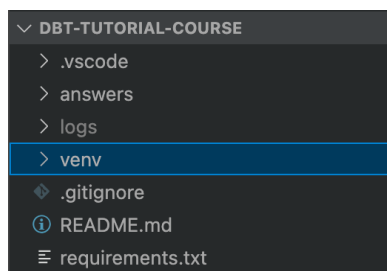
```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  LINEAGE VIEW
192 dbt-tutorial-course: source venv/bin/activate
(venv) 192 dbt-tutorial-course:
```

## Windows using PowerShell (pwsh)

### Step 1: create virtual environment

```
python -m venv venv
```

You should see a new folder called `venv` appear



### Step 2: activate it

Big difference here is that we don't use `source`, and that we reference `activate.ps1` rather than just `activate`

```
venv/bin/activate.ps1
```

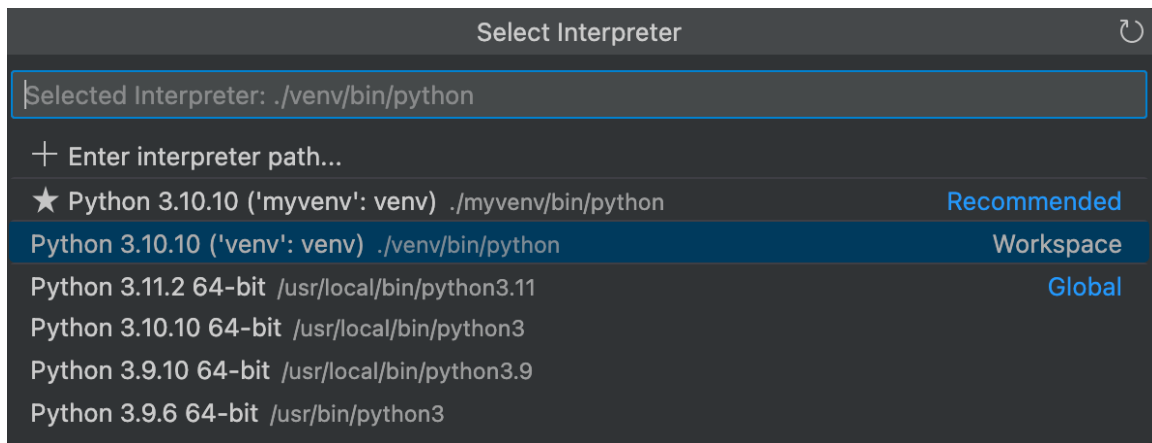
You should see `(venv)` now appear next to your terminal line



```
PS /Users/jackcook/github/dbt-tutorial-course> venv/bin/activate.ps1
(venv) PS /Users/jackcook/github/dbt-tutorial-course>
```

## 2. Setting our venv as our default in VSCode

- Use `Command` (or `Ctrl` on Windows) & `Shift` & `P`, and type `Python: Select Interpreter`
- Then, select your new `venv` that you just created



Ignore the extra `myvenv` that I created!

## 3. Install our Python packages

Finally, **when you are in the `dbt-tutorial-course` folder** (use `cd ..` to change up folders, or `cd [folder name]` to change down), you'll want to install all of the Python packages using `pip install -r requirements.txt`.

Make sure you do this in the right folder or this won't work!

```
● (venv) 192 🖱️ dbt-tutorial-course 🐛: cd answers
⊗ (venv) 192 🖱️ answers 🐛: pip install -r requirements.txt
ERROR: Could not open requirements file: [Errno 2] No such file
```

Wrong way

```
(venv) 192 📄 dbt-tutorial-course 🐛: pip install -r requirements.txt
Requirement already satisfied: dbt-bigquery==1.4.1 in ./venv/lib/python3.10/site-packages (from
1)) (1.4.1)
Requirement already satisfied: google-api-core==2.8.2 in ./venv/lib/python3.10/site-packages (
ine 2)) (2.8.2)
Requirement already satisfied: google-auth==2.9.0 in ./venv/lib/python3.10/site-packages (from
3)) (2.9.0)
```

Right way