

Bye Bye
Virtualenv



Let's manage
django project
with poetry



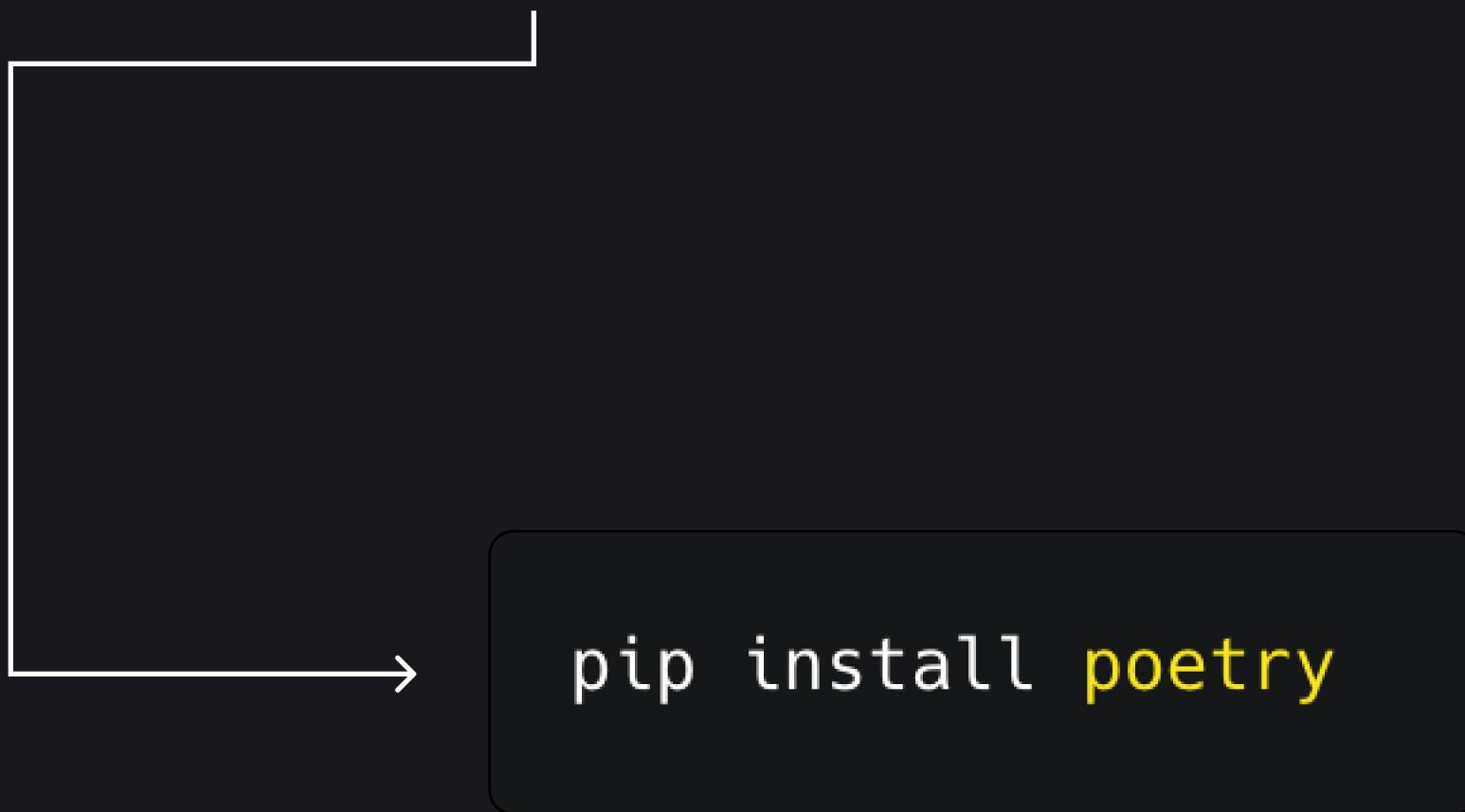
Understand Poetry

A poetry is a python project management tool, that is used to manage project dependencies in an isolate environment.

Let' see how to setup django project with poetry.

Install poetry

First we just need to install poetry in our system, by just hitting this command in terminal

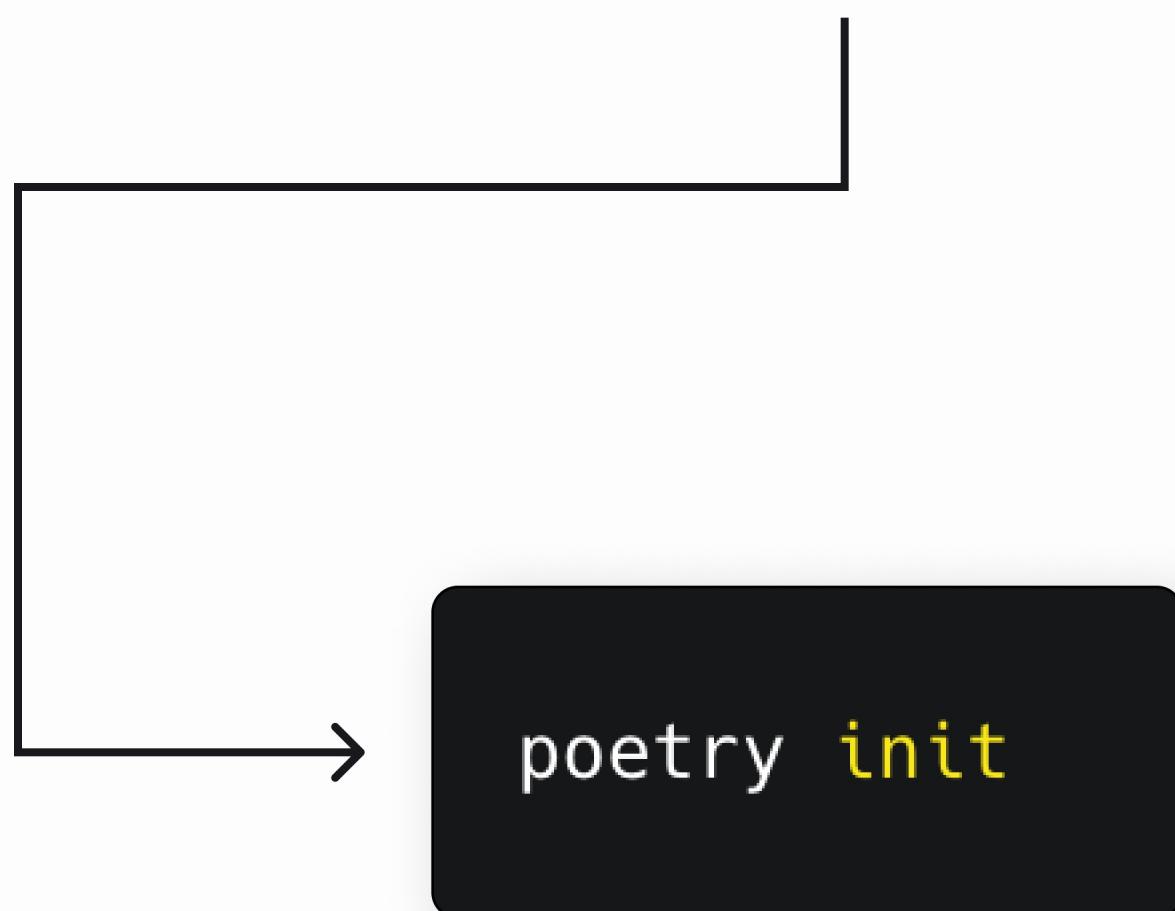


Create a project directory

```
mkdir backend
```

Initialized project with poetry

Next just move to backend folder,
and here just hit this command that
initialized project with poetry



Next, it will ask few question, related to project configuration, just answer them and project will initialized with poetry

pyproject.toml file

After initialized project, it will create
pyproject.toml file.

[r] pyproject.toml

This is most important file, it will orchestrate
your project and its dependencies.

```
[tool.poetry]
name = "backend"
version = "0.1.0"
description = ""
authors = ["Aashish
<aashishkumar12376@gmail.com>"]
readme = "README.md"

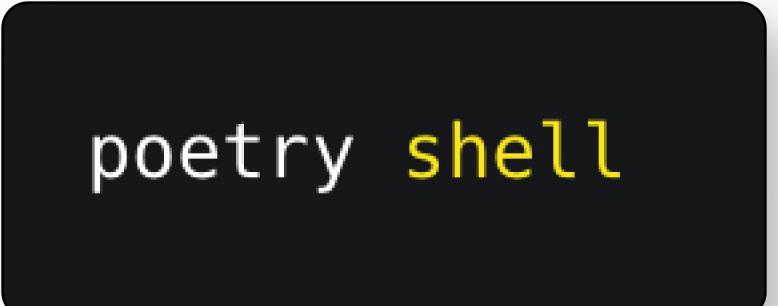
[tool.poetry.dependencies]
python = "^3.12"
django = "^5.0.2"

[build-system]
requires = ["poetry-core"]
build-backend = "poetry.core.masonry.api"
```

Activate virtual env

Next, we just need to activate the virtual environment by just hitting this command, so

that we can install all our dependencies there.



poetry shell

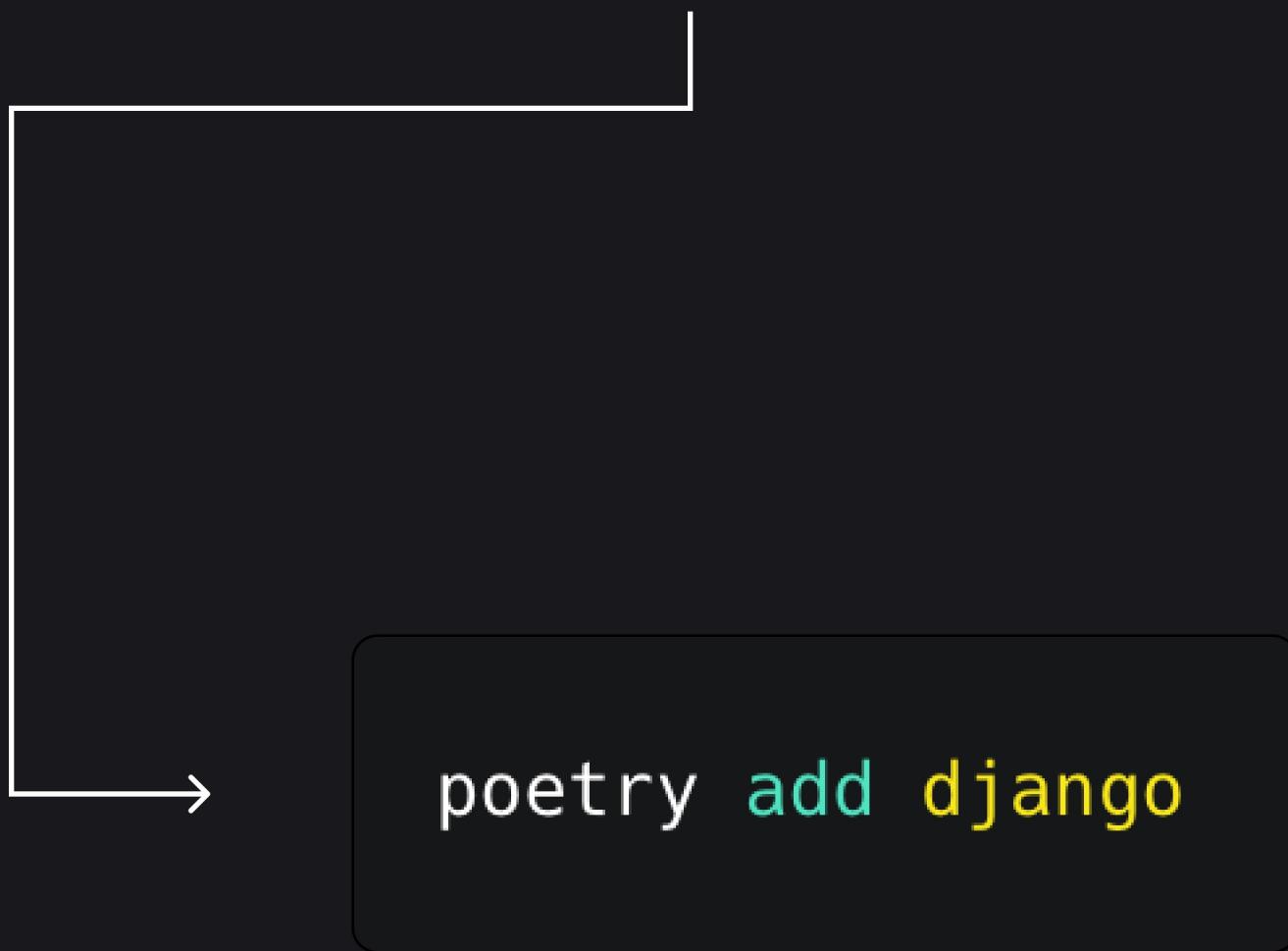


So, this command will create virtual environment for our django project, it one doesn't exist.

Install django

To install django, you just need to use poetry

add command to install it.



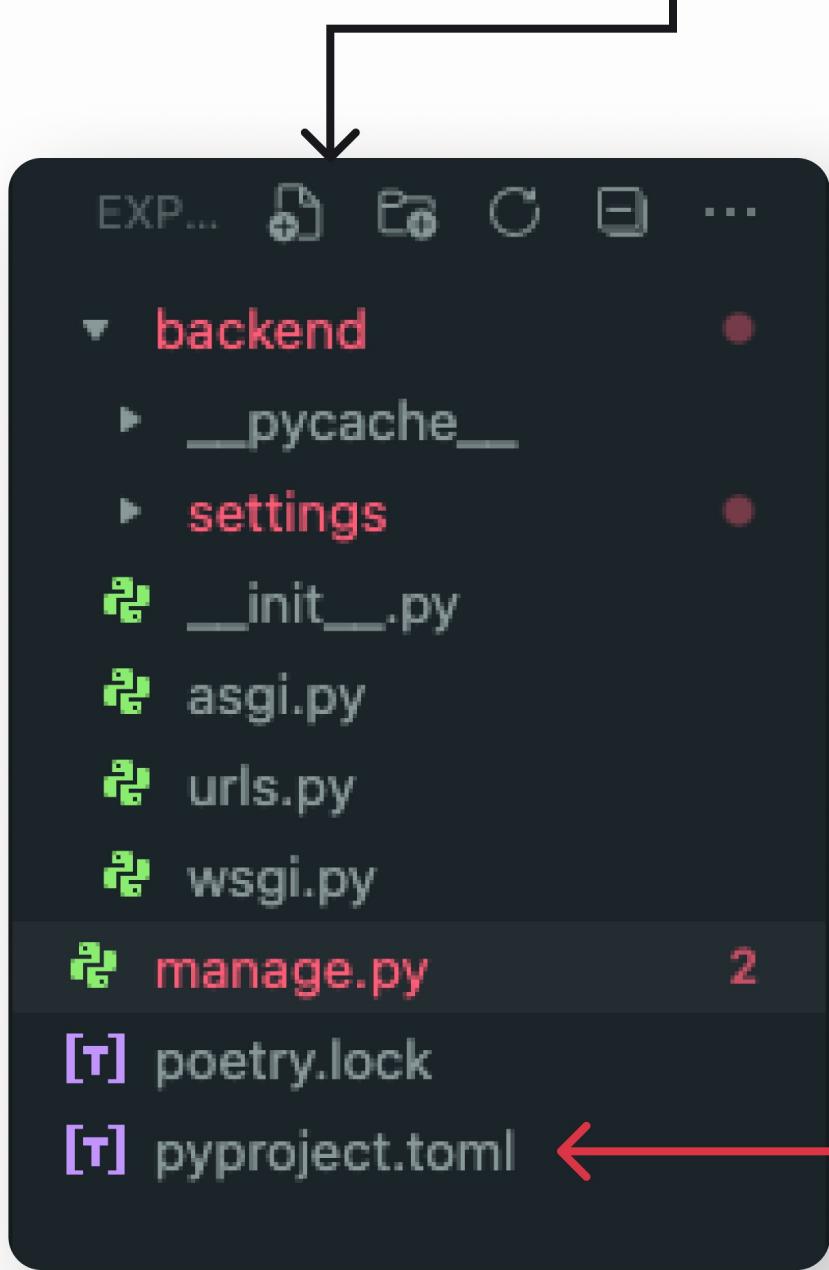
By this command, you can install any
dependencies for your project

Create django project

Next just create django project by just hitting this command in terminal.

```
django-admin startproject backend .
```

Now our project,
should look like this



add the dot here, so that it will not create any extra folder

This is the lock file, everytime when we install new dependencies for our project, it automatically update the file, and keep all the project dependencies and its information.

Important poetry commands

1. poetry add <package_name> - install package.
2. poetry remove <package_name> - remove package.
3. poetry shell - activate virtual environment.
4. poetry install - install all required package for our project mentioned, in the pyproject.toml file.
5. poetry show - it list all the available packages.
6. poetry list - it displays all the available Poetry commands.
7. poetry update - it update the latest version of the packages.

and many more useful commands

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