

Pipenv

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- Pipenv tool to create virtual environments and install Python libraries.
- These notes contain information on:
 - what a virtual environment is, and why you might use one for Python coding
 - how to install external libraries and packages in Python
- In Python we can use existing code in the form of libraries.
- A virtual environment allows us to create separate isolated Python installs for each of our projects.
- Each virtual environment will have a copy of Python and a space for us to install any other libraries that might be needed by our code.
- Pipenv is a command line tool that aims to make managing virtual environments.

Using Pipenv

- Open a command line terminal, and lets create a directory where we will keep all the code for our project:

```
$ mkdir pipenv-test
```

```
$ cd pipenv-test
```

- Now we are in the directory for our project, we can use pipenv to create a virtual environment and install our first library.

```
$ pipenv install mrjob
```

- Now the libraries are installed we can use them in some Python code. Create a file called `main.py` in the current directory, and enter the following code:

```
import mrjob
```

- To run this Python code within the virtual environment use `pipenv run`:

```
$ pipenv run python main.py
```

References

Introduction to Pipenv - comsc.pages.cs.cf.ac.uk/introduction-to-pipenv/