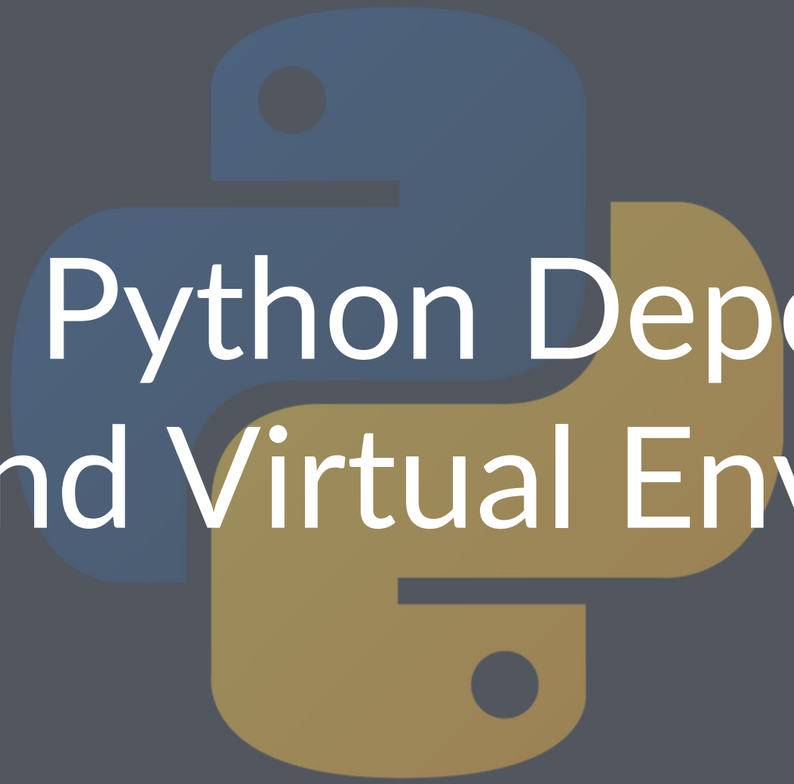
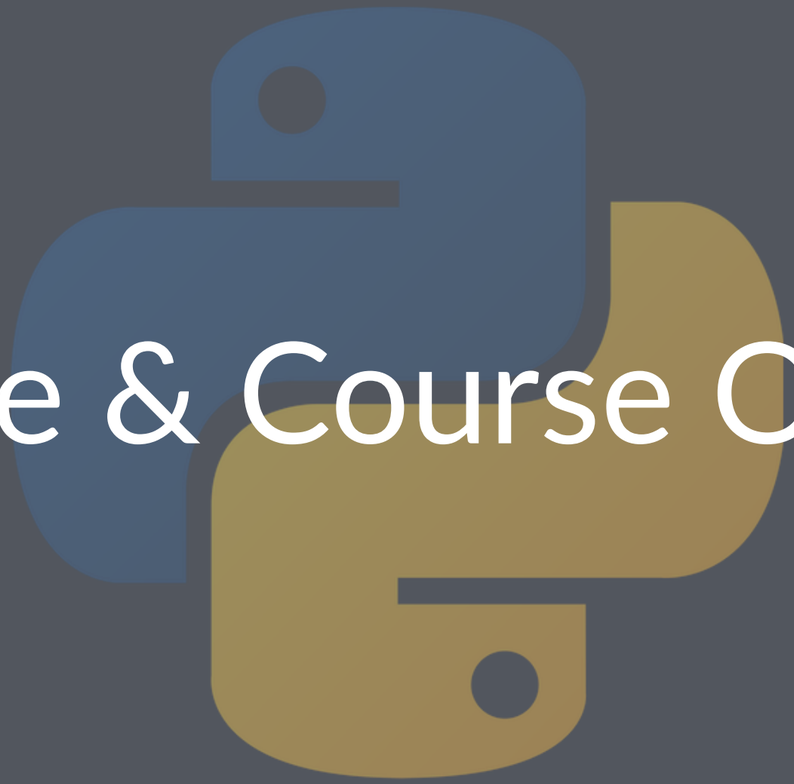
Managing Python Dependencies With Pip and Virtual Environments



Welcome & Course Overview



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"How do I install a third-party Python package?"

???😕

"How do I install a third-party Python package?"

"Where can I find great Python packages?"

???😕

"How do I install a third-party Python package?"

pip install?

"Where can I find great Python packages?"

Python environments?

???😕

"How do I install a third-party Python package?"

requirements.txt?

pip install?

Virtual Environments?

"Where can I find great Python packages?"

PyPI?

Python environments?

???😕

"How do I install a third-party Python package?"

requirements.txt?

Virtualenv?

pip install?

Virtual Environments?

"Where can I find great Python packages?"

Project dependencies?

PyPI?

Python environments?

Course Goals

By the end of the course you'll know how to...

By the end of the course you'll know how to:

- Install, use, and manage third-party Python packages with pip

By the end of the course you'll know how to:

- Install, use, and manage third-party Python packages with pip
- Isolate project dependencies with virtual environments to avoid version conflicts

By the end of the course you'll know how to:

- Install, use, and manage third-party Python packages with pip
- Isolate project dependencies with virtual environments to avoid version conflicts
- Find and identify quality third-party packages to use in your own Python projects

By the end of the course you'll know how to:

- Install, use, and manage third-party Python packages with pip
- Isolate project dependencies with virtual environments to avoid version conflicts
- Find and identify quality third-party packages to use in your own Python projects
- Set up repeatable development environments and application deployments

Meet Your Instructor

Dan Bader

- I'm a **Python Nut** 🌰🐍
- My 1st Computer: Commodore 64
- I've got BSc and MSc degrees in Computer Science
- I run a few open-source Python projects and frequently speak at Python conferences and meetups
- **More Python Tutorials: 🎓dbader.org🐍**

Course Curriculum

Course Curriculum

1. **Welcome & Course Overview**
2. ...
3. ...
4. ...
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6. ...

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3. Isolating Dependencies With Virtual Environments
4. Finding Quality Python Packages
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1. **Welcome & Course Overview**
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3. Isolating Dependencies With Virtual Environments
4. Finding Quality Python Packages
5. Setting Up Reproducible Environments & Application Deploys
6. ...

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6. Course Conclusion

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