Package Managers

Package Managers

- What are they?
- What do they do?
- Let's name a few...

Creating a Simple Python Package for PyPI

One-time Actions

Register an account at https://test.pypi.org

Create a ~/.pypirc file

```
[distutils]
index-servers =
    pypi
    testpypi

[pypi]
username: mmdarden

[testpypi]
repository: https://test.pypi.org/legacy/
username: mmdarden
```

Creating a Simple Python Package for PyPI

Per-project Actions

1. Clone the sample project `git clone https://github.com/pypa/sampleproject.git <myproject>`
2. Edit the source files
3. Edit the meta files (LICENSE.txt, MANIFEST.in, README.rst, setup.py, setup.cfg)
4. Upload your package `python setup.py sdist upload -r testpypi`

Use it!

1. `pip3 install -i https://test.pypi.org/pypi c4cs-f17-python`
2. Start python, `import c4cs`

Creating a Simple Python Package for PyPI

It's your turn (attendance)!!

- Make a PyPI package (on TestPyPI) of your RPN Calculator
- Name the package f17-rpn-