Make a simple package structure

breakfast /

-- init --- py

Span. Py

6995. py

Juice/

-- init -- py

crange. py

Just put a constant in each module

modify init files to impost select methods / constants.

- Go over relative us absolute paths.

Try import brankfist, spam, note that breakfist is a bound name as well as breakfist, spam with that you can access the value SPAM

- Do some examples with breakfist juice. orange
- Do Gxamples only importing breakfast directly
- Note that a directory / package is really just a module defined by '--init_-' with sub-modules potentially available.
- Package docstrings can be added to '-init_-'

In addition to the current directory, the stundard lib, and pythonPATH, the interpreter will lock for third-party puckages in a site-packes directory.

By default, site-packages applies to everyone on the machine, and maybe over the OS itself!!

POSIX -> Use 'which pythen' and 'pythen -- version' to see what pythen you are using!

Generally we don't want to add lupgrade 3rd purty site-pudcages for the system python, or clutter up our system for testing libraries.

SOLUTION: Create a special (virtual) environment with its own site-packages - install packages Sust in that convironment. Discard environments when no larger needed.

Vonu modulo

La python -m vonu myvenu

T creates virtual environment in specified directory

. myvenv/bin/actuate = Sets current shell to use this environment deactivate = sesties stops using environment Tm-1 myvenv = Just delete to clean up

Pip tobl for instelling / managing third-purty site puckages from PUPA repository. (cheese shap) pip freeze = see what is installed pip install requests = install a package = Do. pip minstell requests = uninstell a package Play with requests a bit Unittest module = Standard 1. brary, java UNIT TESTING! pytest = 3rd party, but + Also do a Potest raises Test the smath. py module from last time example for a type error make a test_smath. py module. with bad input 4 try testing 2.32 = 5.29 with floating point over, then USE approx. Explain rewriting of 'assert'. It Do example of a normal assert statement in a module Use 1-0' switch Pytost discovery - any module or function profixed with 'test_' any class prefixed with Test (and no init)

Now do examples of running specific tests, i.e.

Pytest test-smath, pyii test-square-float, etc...