National Centre for Atmospheric Science
NATURAL ENVIRONMENT RESEARCH COUNCIL

Centre for Environmental Data Analysis
SCIENCE AND TECHNOLOGY FACILITIES COUNCIL
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Summary & where next?

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What have we looked at

- Basics and control flow, booleans
- Lists, slicing and tuples
- Input/output
- Strings and text processing
- Functions, libraries and scripts
- Sets and dictionaries
- Errors and de-bugging
- OOP

What haven't we looked at

Of course there is a lot more to python - if only we had more time…

Where to go next?

- The best way to learn is to play...
- Get python installed on your desktop/laptop (on Windows, MAC or Linux).
- Use it to:
  - Read/write files
  - Move/copy files/folders using scripts
  - Make some nice plots

Places to learn more/practice

- Code Academy site has great exercises:
  http://www.codecademy.com/tracks/python
- *Learning Python* by Lutz & Ascher (O'Reilly)
  http://shop.oreilly.com/product/9781565924642.do
- Python website documents all the standard library modules:
  http://docs.python.org/2.7

Places to learn more/practice

- Python website also has tutorials:
  http://docs.python.org/2/tutorial/

- Software-Carpentry web site hosts videos and presentations and lots more:
  http://www.software-carpentry.org/v4/python/

CEDA materials

- Full version of the modules and exercises/solutions:

http://www.ceda.ac.uk/ncas-leeds-2016/

Good luck!