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# Python

## 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 debugging
- 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:

  https://www.codecademy.com/learn/learn-python
- Free Code Camp: https://www.freecodecamp.org/learn/scientific-computing-with-python/
- Python website documents all the standard library modules:

  https://docs.python.org/

# Places to learn more/practice

- Python website also has tutorials:
  https://docs.python.org/3/tutorial/

- Software-Carpentry web site hosts videos and presentations and lots more:
  https://software-carpentry.org/lessons/

# CEDA materials

- Full version of the modules and exercises/solutions:

https://github.com/ncasuk/ncas-isc

# Good luck!