

Computing for mathematics: week 2

Conditional statements, flow control and functions

Aims of this week

At the end of this lecture students will be:

- Able to write conditional statements in Python;
- Able to write flow control statements in Python;
- Able to write functions in Python.

Timeline

Lab sheet

- Pep8
- Basic variables
- Comments in code
- If statements
- While Statements
- For loops
- Functions
- A basic fibonacci function
- Finding prime numbers
- HP challenge

Lecture

- 0 - 5 mins: Recap
- 5 - 15 mins: Importance of writing clean code
- 15 - 35 mins: Solutions of Lab sheet
- 35 - 45 mins: Questions?
- 45 - 50 mins: Introduction to next week

After the lecture Students will be given access to lab sheets and pointed towards reading.

Assessment

This will be assessed in the class test.