Writing tests for research software

@NikoletaGlyn







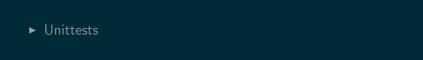
Software Sustainability Institute



IMPORTANCE OF TESTING



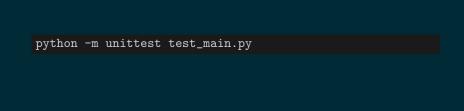
https://www.software.ac.uk/blog/2016-09-12-its-impossible-conduct-research-without-software-say-7-out-10-uk-researchers



```
def absolute_value(x):
    if x < 0:
        return -x
    else:
        return x</pre>
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'test_main.py'



python -m unittest test_main.py
-----Ran 1 test in 0.000s

OK

- 0....
- ▶ Doctests

```
import unittest
def absolute_value(x):
    Return the absolute value of an argument.
    For example:
                >>> absolute_value(-2)
                >>> absolute_value(3)
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