

## My first program

The aim of this homework is to familiarise you with using Erlang, and with writing, modifying and running simple Erlang programs.

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### Modifying `first.erl`

The module `first.erl` is available on the moodle page for this activity.

In a text editor of your choice modify `first.erl` to include functions to `square` and to `treble` a value, and test these functions out by calling them from the Erlang shell.

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### Defining `second.erl`

Using your text editor of choice, define a new module `second.erl` to include the following functions:

- Using the function `square` from `first.erl`, define a function that gives the size of the `hypotenuse` of a right-angled triangle given the lengths of the two other sides.
- Define functions that give the `perimeter` and `area` of a right-angled triangle, given the lengths of the two short sides.

Which functions can you re-use in making these definitions? Which existing definitions can you modify to give you the answers?

You should test your functions by trying them out in the Erlang shell.

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