

Convert between length units

We'd like to ask you to implement a simple library that converts lengths in different units. For example:

- 6 m to yard = 6.562 yd
- 2.5 yd to inch = 90 in

The units to be supported are: metre (m), yard (yd) and inch (in). The design of the library should support adding new units easily.

It should also support representing the measures as user-friendly strings (e.g., "2.3 m", "6 yd", "0.4 in").

Rules

This library should be implemented using:

- A high-level programming language, preferably the one you're the most familiar with.
- Test-Driven Development.

Our expectations

We just want to see a sample of what you consider to be well-crafted software.

To help you complete the assignment within a very short period of time, we are not expecting you to implement anything beyond the requirements above. Among other things, the following is not expected:

- Documentation.
- A user interface (not even a CLI).
- Parsers.

Do feel free to add your own extras, but keep in mind that they'll be assessed with the same rigour applied to the elements that are required.

Please **do not** make your solution publically available, simply send it to us privately.

What happens next

A developer will review your implementation to assess the quality of its design and its code. We aim to get back to you within two working days.