**Coding challenge #1**

A rust program is needed which stores and processes the following data from a warehouse temperature sensor:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *10.2* | *11.3* | *10.7* | *12* | *12* | *11.2* | *11.9* |

Calculate the mean average temperature recorded for the week.

Output this mean average to 1 decimal place.

**Design notes**

1. All temperatures are measured in degrees Celsius.
2. They may be stored as literals (no manual input is required)

**Extension tasks:**

* Calculate the Fahrenheit equivalent for the mean average.

*Output this figure to 0 decimal places.*

* Find and output the minimum and maximum values recorded across the week.

**Hint:** [**https://doc.rust-lang.org/core/iter/trait.Iterator.html#method.max**](https://doc.rust-lang.org/core/iter/trait.Iterator.html#method.max)