

Exercise on variables and lists

Exercise 1. Assume that we execute the following assignment statements:

`width = 17`

`height = 12.0`

`delimiter = '.'`

For each of the following expressions, write the value and the type of the expression.

1. `width/2`
2. `width/2.0`
3. `height/3`
4. `1 + 2 * 5`
5. `delimiter * 5`

Exercise 2. Write a program that will convert Fahrenheit to Celsius in degrees.

Exercise 3. Write a program that takes seconds as time units and converts it to minutes and seconds.

For example: 3800 seconds results in 63 minutes and 20 seconds.

Exercise 4. Consider a list of any arbitrary elements. Your code should print the length of the list and first and fourth element of the list.

Exercise 5. Create a list of any arbitrary elements. Your code should show the list methods as `pop`, `insert` and `remove`.

Note: You are not allowed to use the example code provided from lecture. Try and come up with an example of your own.