Basic object types: exercises

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Contents

1 Task 1

Create a vector containing the numbers `2`, `5`, `2.4` and `11`.

1. What is the type of this vector?
2. Replace the second element with `5.9`.
3. Add the elements `3` and `1` to the beginning, and the elements `"8.0"` and `"9.2"` to the end of the vector.
4. Transform this vector into the type integer. What happens?

2 Task 2

1. What type is the following vector: `"2"`, `"Hello"`, `4.0`, and `TRUE`
2. What hierarchy is underlying this?

3 Task 3

1. Create a vector with the numbers from `-8` to `9` (step size: `0.5`)
2. Compute the square root of each element of the first vector using vectorisation. Anything that draws your attention?

4 Task 4

Create a list that has three named elements: `"A"`, `"B"`, and `"C"`

- The element `"A"` should contain the square root of the numbers form -2 to 8 (step size: `1`)
- The element `"B"` should contain the log of numbers between 2 and 4 (step size: `0.5`)
- The element `"C"` should contain letters from `a1` to `g7` (hint: use the pre-defined vector `letters` and the function `paste()`)

Link to the solutions