Learn / **Data Science R Basics**

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▤ Exercise <

Nested function calls 1

In math and programming we say we evaluate a function when we replace arguments with specific values. So if we type `log2(16)` we evaluate the `log2` function to get the log base 2 of `16` which is `4`.

In R it is often useful to evaluate a function inside another function. For example, `sqrt(log2(16))` will calculate the log to the base 2 of 16 and then compute the square root of that value. So the first evaluation gives a 4 and this gets evaluated by `sqrt` to give the final answer of 2.

⊘ Instructions 100 XP

- Use one line of code to compute the log, to the base 10, of the square root of 100.

- Make sure your code includes the `log10` and `sqrt` functions.

[♀ **Take Hint (-30 XP)**]

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script.R ☾ **Dark Mode**

```
1   # log to the base 2
2   log2(16)
3
4   # sqrt of the log to the base 2 of 16:
5   sqrt(log2(16))
6
7   # Compute log to the base 10 (log10) of the sqrt of 100. Do not use variables.
8   log10(sqrt(100))
```

[↺] [**Run Code**] **Submit Answer**

R Console