

Exercises for Deck 007

Python Dots & Named Arguments

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- 1) When calling `.format()`, what should come before the dot?
 - a) What kind of expression should come before the dot?

 - b) What type of thing should that expression evaluate to?

- 2) When using named arguments, what character separates the left and right side of each named argument?
 - a) What kind of thing lexically separates the left and right side?

 - b) On the left side of a named argument, what kind of thing is there?

 - c) On the right side of a named argument, what syntax is there?

- 3) When calling `.format()`, what does the left side of each named argument match up with?

- 4) What character do we use in a format field separate the field name from options, widths, precision, and so on?

10) Which conversion specifier always uses scientific notation?

11) Which conversion specifier never uses scientific notation?

12) What does !r after a field name specify?

13) What function does print() call automatically to convert all non-strings to strings?

14) What function does the REPL call automatically to show you the result of the expression that you entered (except None)?

15) What result will I get if I put

```
>>> repr("heLLo")
```

into the REPL?

16) Write a program that prompts the user for a character code number and then uses that to look up the character and print some nicely formatted information about it.

17) Write a program that subtracts several lowercase letters' codes from their capitalized counterparts' codes using Python. What pattern can you find?