Fussing with Functions

Computer Science - Week 2  
Jul 23, 2022 - Version 2.0.0

Please make sure that all members of the group place their UD **email** AND **name** below.

Choose roles following the [instructions here](https://blockpy.cis.udel.edu/assignments/reading/bakery_appendix_pogil).

You should work in groups of 3. If you cannot find 3 group members, then work in groups of 2.

| **Role** | **Name** | **Email** |
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| **Manager** |  |  |
| **Speaker** |  |  |
| **Recorder** |  |  |

# Critical Thinking Questions

Discuss each of the following questions and formulate a group answer.

It is better to answer some questions completely than all the questions partially.

Make sure you provide clear, detailed answers.

In some cases, you may want to research your answer.

1) Why do we have functions?

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2) What is the difference between parameters and arguments?

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3) Why do docstrings exist?

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4) Why do we have assert\_equal?

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5) What happens when you call a function?

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6) Why is it the “def” keyword, instead of something else? What does “def” mean?

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7) What happens if you have two different functions with the same name?

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8) What happens if you don’t have a return statement in your code? What if you have the return keyword, but not a value after it?

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9) Can you put unit tests before the function definition? What about inside the definition?

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10) What happens when you have an empty function body?

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11) What happens if the return type in the header doesn’t match the type of the returned value?

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12) Python itself doesn’t actually require you to specify the parameter’s type. Why does BlockPy require them?

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# 3) Reflect and Review

Discuss among yourselves: what did you learn from this activity? What was surprising or interesting? If you didn’t learn anything, what do you think we were trying to teach you? How could this activity be improved?

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# Final Submission

When your group is happy with your answers for all the questions, download this file as a Word Document (docx) and upload the file to the appropriate assignment on Canvas.

Only one member of your group needs to submit.