ET-PoC-Study

Post-Questionnaire

1. How easy/hard did you experience the program comprehension tasks?

Very Easy	Easy	Neutral	Hard	Very Hard
☐	☐	☐	☑	☐

Optional Comment:

> The source of difficulty is the random variable naming which made me take a longer time to comprehend the code snippets.

2. How do you feel after the study?

Very Exhausted	Exhausted	Neutral	Energetic	Very Energetic
☐	☑	☐	☐	☐

Optional Comment:

>

3. You are presented with the displayed code snippets. Which of the excerpts did you find particularly easy/difficult? Why?

   Please annotate them on the pages themselves.

4. How do your problem-solving strategies change with the code snippets?

> - Immediately stopped depending on the variable names
> - Use the variable types, indexing, slicing, operators applied to the input in order to guess the input-output relation
> - Related the semantic of the function to the algorithms I'm familiar with

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5. Did you detect any changes in yourself in comprehending the code snippets? If so, what did this change look like?

> Yes. I mentioned them in 4 (see above).

6. Did **Type Annotations** (**number: int** instead of *number*) help you comprehend the code snippets?

Yes	No
☑	☐

How did they help? Please elaborate.

> - enable classifying the code as a manipulation of text, integers, ..etc.
> - know the expected output type

7. Beyond this study, do Type Annotations help you comprehend code in general?

Yes	No
☑	☐

Why? Please elaborate.

> - know the expected type of specification (expected input-output)
> - understand the role of the local variables (which are usually indices or flags)

8. Were earlier or later code snippets easier for you to comprehend?

> later

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9. Do you have any suggestions or ideas for improvement for us?

No :)