

Lab 8: Reflection

After completing your lab and before submitting your .java file, please answer the following reflection questions. Keep your responses concise but thoughtful.

To assess your depth of learning, the **reflection grade**, together with the grade you receive for **code execution**, determines your overall **lab grade**. Here are a few examples to illustrate how this works:

- Execution grade = 100%, Reflection grade = 1
→ Lab grade = $1 \times 100\% = \mathbf{100\%}$
- Execution grade = 50%, Reflection grade = 1
→ Lab grade = $1 \times 50\% = \mathbf{50\%}$
- Execution grade = 100%, Reflection grade = 0.5
→ Lab grade = $0.5 \times 100\% = \mathbf{50\%}$

Estimated Time to Complete: 12–15 minutes

Question 1: Code Synthesis

When you implemented the `Current` class, which method was not as straight forward as others to implement? Describe one specific issue that you encountered in that method, and explain how you fixed it.

Answer

Q2: Design Thinking

In your implementation of the `Current` class, you had to implement the `equals` method. Describe one design or coding decision you made and explain why you wrote it that way instead of doing it differently.

Answer

Rubric to evaluate reflection

Criteria	Exceed Expectations (0.5)	Meets Expectations (0.3)	Marginally meets expectations (0.1)	Does not meet expectations (0)
Code Synthesis	<ul style="list-style-type: none"> Provides a specific, detailed example from their own implementation. Clearly describes the issue and shows understanding of why it happened or why they chose that approach. Explains the fix or reasoning process step by step, demonstrating ownership of their code. 	<ul style="list-style-type: none"> The explanation of the implementation, reasoning for the bug and its fix is partially detailed or incomplete or vague. 	<ul style="list-style-type: none"> Explanation is too general, lacks depth, does not clearly show their personal process. 	<ul style="list-style-type: none"> Not answered or the answer is irrelevant.
Design Thinking	<ul style="list-style-type: none"> Clearly describes the design decision with their own code example. Clearly explains why this design was chosen. Clearly explains what the alternative design solution was. 	<ul style="list-style-type: none"> 1 out of 3 expectations is missing. 	<ul style="list-style-type: none"> 2 out of 3 expectations is missing. 	<ul style="list-style-type: none"> Not answered or the answer is irrelevant.