

**NOTICE TO GRADER: I had some issues with Git, so hence the name of the folder for some steps is Chatbot-TeamXX then back to Chatbot-Team101 and then back to Chatbot-TeamXX. This was the only way I could get GitHub to play nice with my code for some reason. However, the code is correct for each part of the lab.**

**[Question 1 (5 pts)] What is the return value of the following Ruby expressions?**

- `[]`.class: Array
- `3 / 2`: 1
- `3.0 / 2.0`: 1.5
- `[]`.nil?: false
- `def h; "Hello world"; end`: nil

**[Question 2 (5 pts)] What is your personal favorite feature of Ruby? Why?**

I love the simplicity of the language. I always liked Python and now learning about Ruby makes my knowledge of Python more useful. I like how everything is an object which is a powerful feature. It's nice to work with a language that is lightweight as well as powerful and easy to use.

**[Question 3 (5 pts)] In your opinion, are the advantages of BDD worth the drawbacks (at least in theory)? Why or why not?**

No. The time tradeoff and the likelihood of false positives and negatives are a huge drawback. In the interest of writing the most efficient and correct code, the drawbacks of BDD are enough to outweigh the advantages we would have of the customer understanding the software and being able to identify the highest priority features.

**[Question 4 (5 pts)] Now that you have used BDD in a development process, do you think it helps or hinders developers?**

It is useful on large programs produced by companies but BDD is not useful for small projects such as labs or final projects. Cucumber is powerful but is bit overkill for labs and the final project. However, if I worked for a company doing QA work, I would definitely use cucumber for BDD testing.

**[Question 5 (5 pts)] What is the advantage of using more verbose, complex English in your feature definitions? What is the drawback?**

Advantage: Allows readers to understand the features quick and easier.

Disadvantage: Definitions take longer to write and are limited due to increased specificity.