

ASE - Millionaire report

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For the Github Repository link [click here](#)

Short Report

The homework, called *Millionaire*, involved the calling and handling in the blueprint file *quizzes.py* of some already written methods.

The fact that these methods were already existing implied that most of the work was about reading and understanding what was happening. This made the first approach to Python very lightweight, which is ideal.

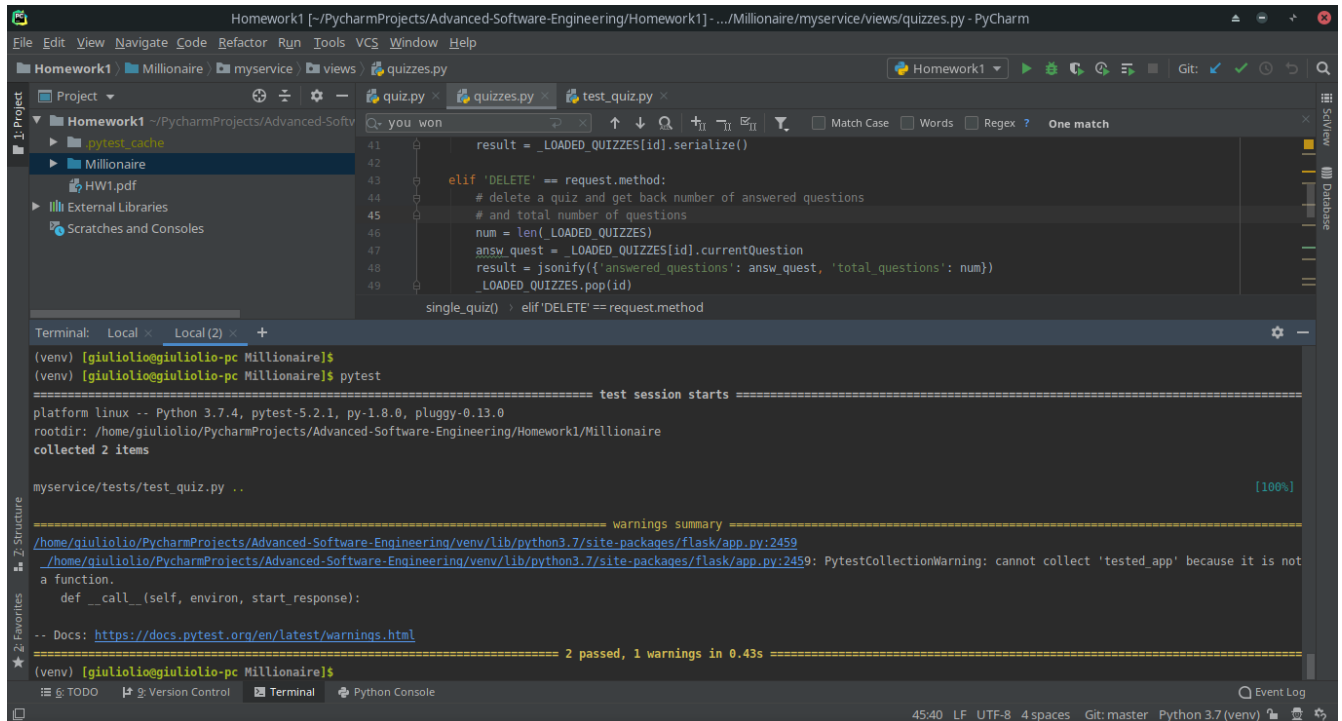
Once the methods were fully understood, they were used following as close as possible the *TODOs* comments: some methods would fire exceptions which had to be captured in order to give the correct answers to the requests, and that was it for the coding part.

Finally, I've manually checked the methods with *Postman* and tried to run the given tests with *pytest*. The only type of error that occurred was about the assertions that required precise messages, but simply re-running the test showed me the expected wording, so I just had to change that.

The .zip contains this document and the modified *quizzes.py*.

If the images shown below aren't clear enough, there will be on my repository a folder with all the images.

Screenshots



The screenshot displays the PyCharm IDE interface. The top toolbar shows the 'Run' button (a green play icon). The left sidebar contains the 'Project' view, showing the file structure of the 'Homework1' project, including a 'mytests' directory. The main editor window shows the 'quizzes.py' file with Python code. The bottom panel features a 'Terminal' window with the following output:

```
(venv) [giulioliog@giulioliop Millionaire]$  
(venv) [giulioliog@giulioliop Millionaire]$ pytest  
===== test session starts =====  
platform linux -- Python 3.7.4, pytest-5.2.1, py-1.8.0, pluggy-0.13.0  
rootdir: /home/giulioliop/PycharmProjects/Advanced-Software-Engineering/Homework1/Millionaire  
collected 2 items  
  
myservice/tests/test_quiz.py .. [100%]  
  
===== warnings summary =====  
/home/giulioliop/PycharmProjects/Advanced-Software-Engineering/venv/lib/python3.7/site-packages/flask/app.py:2459  
./home/giulioliop/PycharmProjects/Advanced-Software-Engineering/venv/lib/python3.7/site-packages/flask/app.py:2459: PytestCollectionWarning: cannot collect 'tested_app' because it is not  
a function.  
def __call__(self, environ, start_response):  
-- Docs: https://docs.pytest.org/en/latest/warnings.html  
===== 2 passed, 1 warnings in 0.43s =====  
(venv) [giulioliog@giulioliop Millionaire]$
```

Figura 1: Pytest success

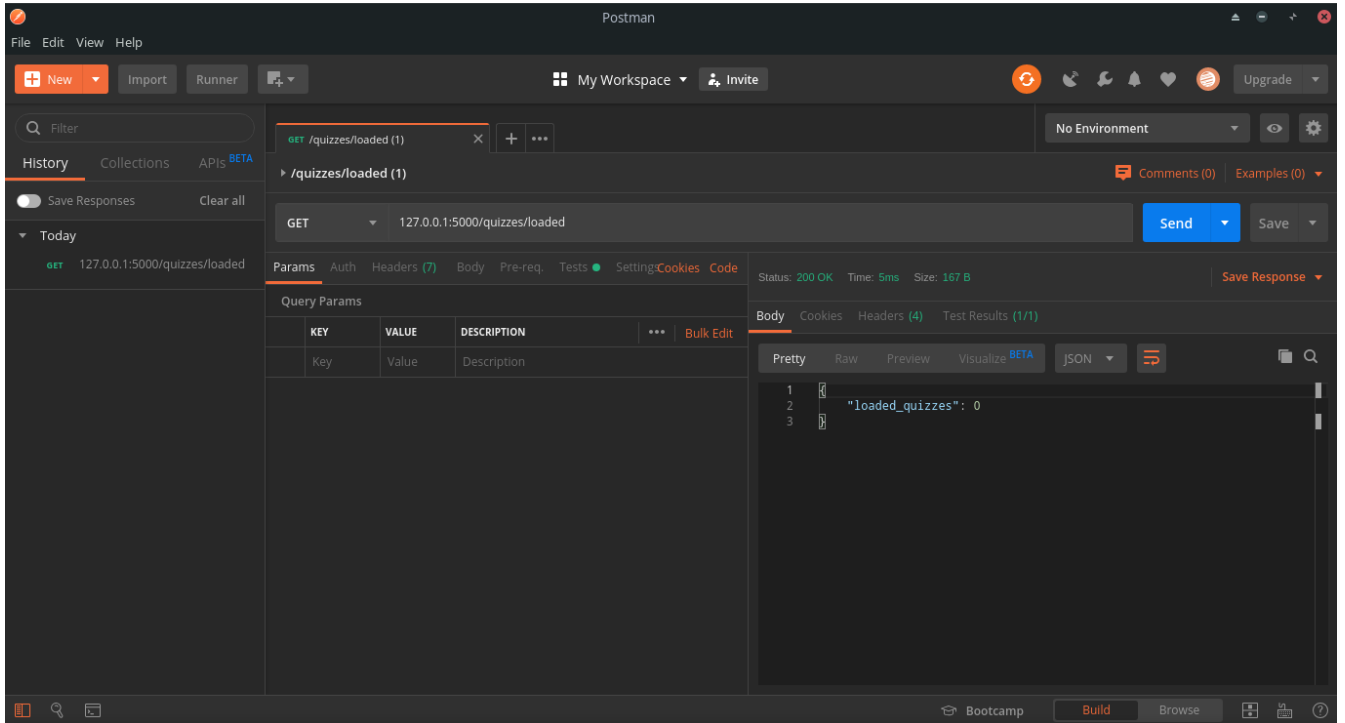


Figura 2: No Loaded Quiz

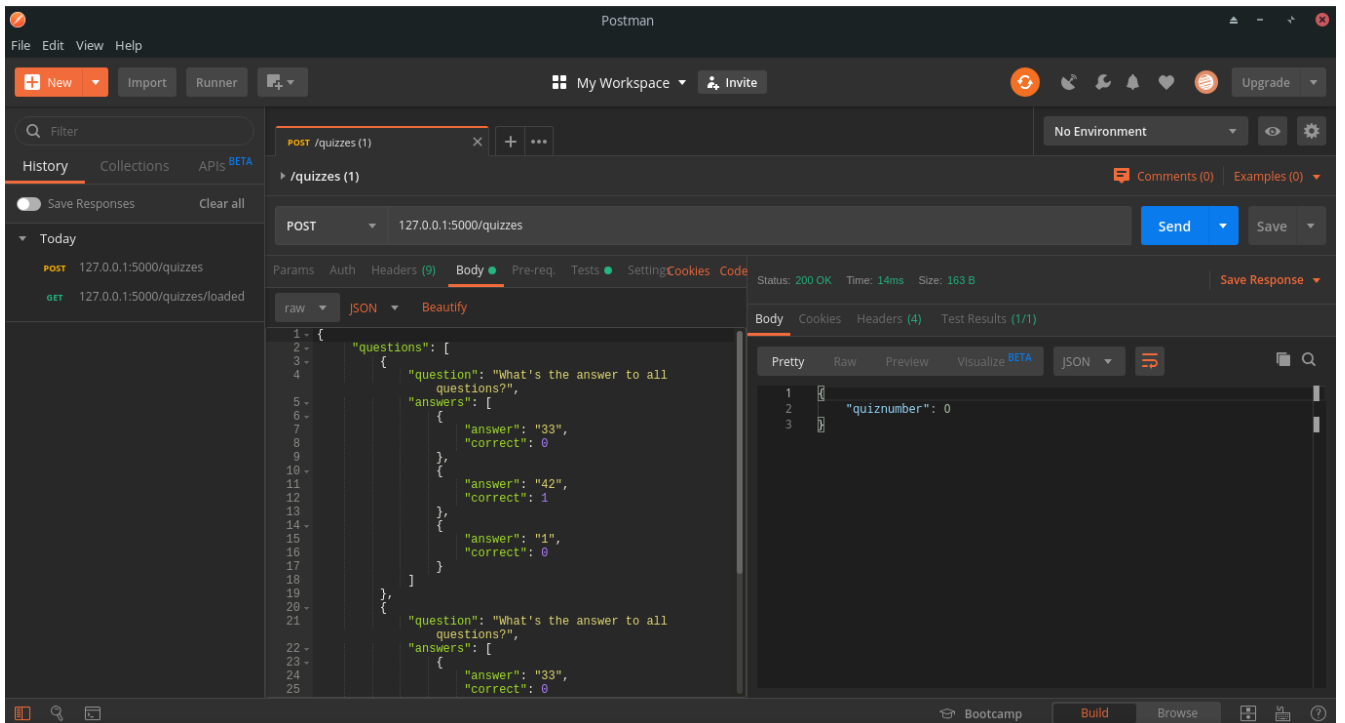


Figura 3: Post Quiz (0)

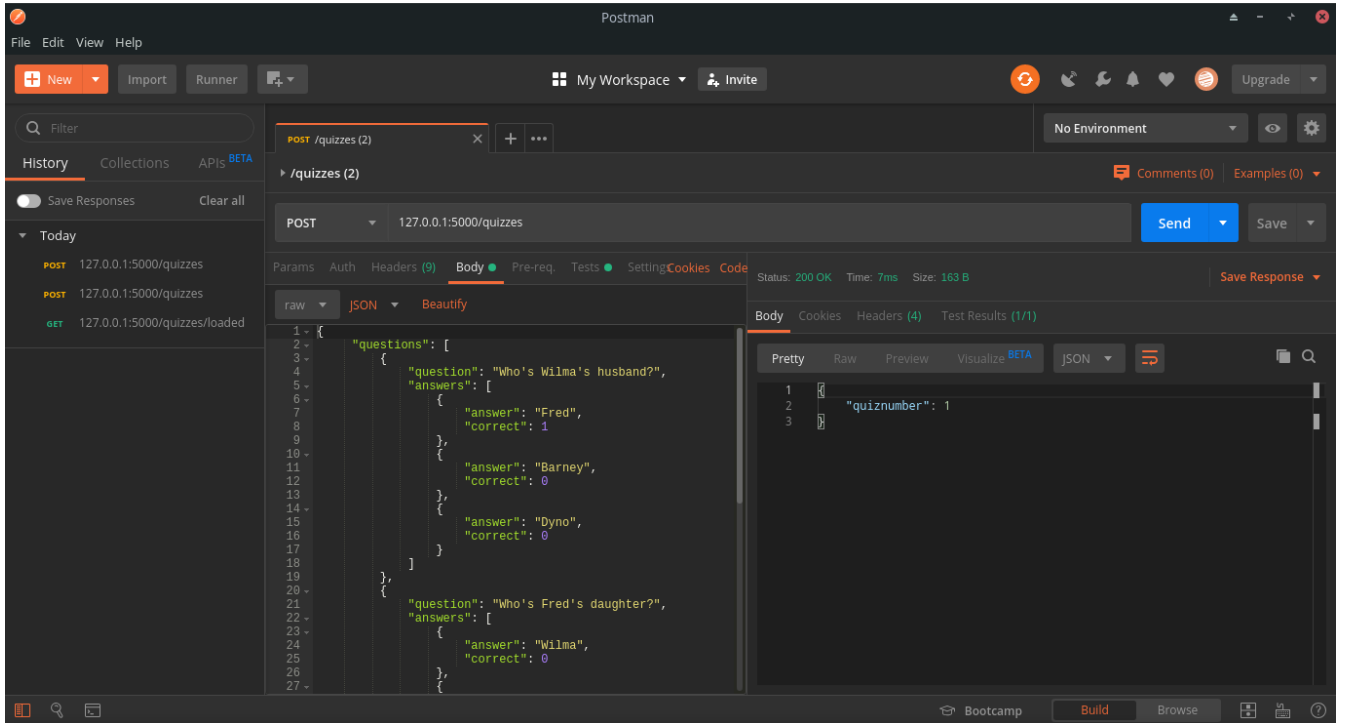


Figura 4: Post Quiz (1)

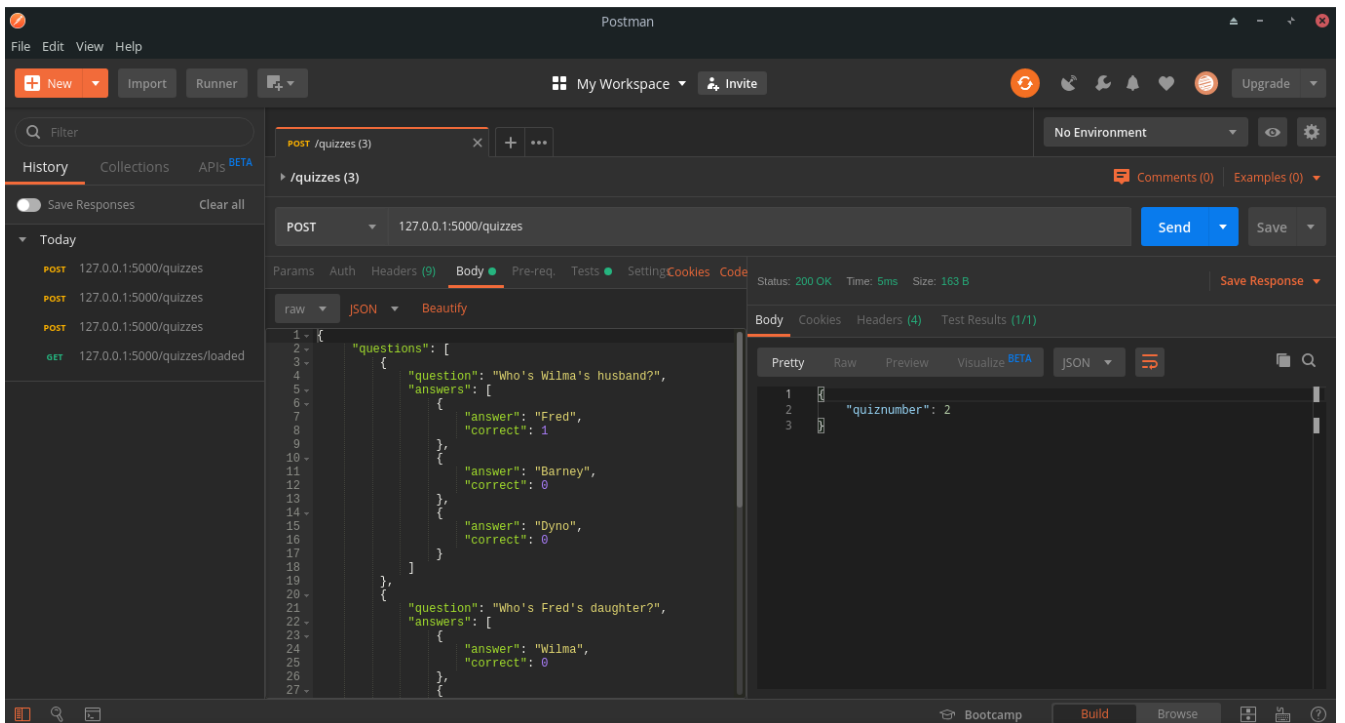


Figura 5: Post Quiz (2)

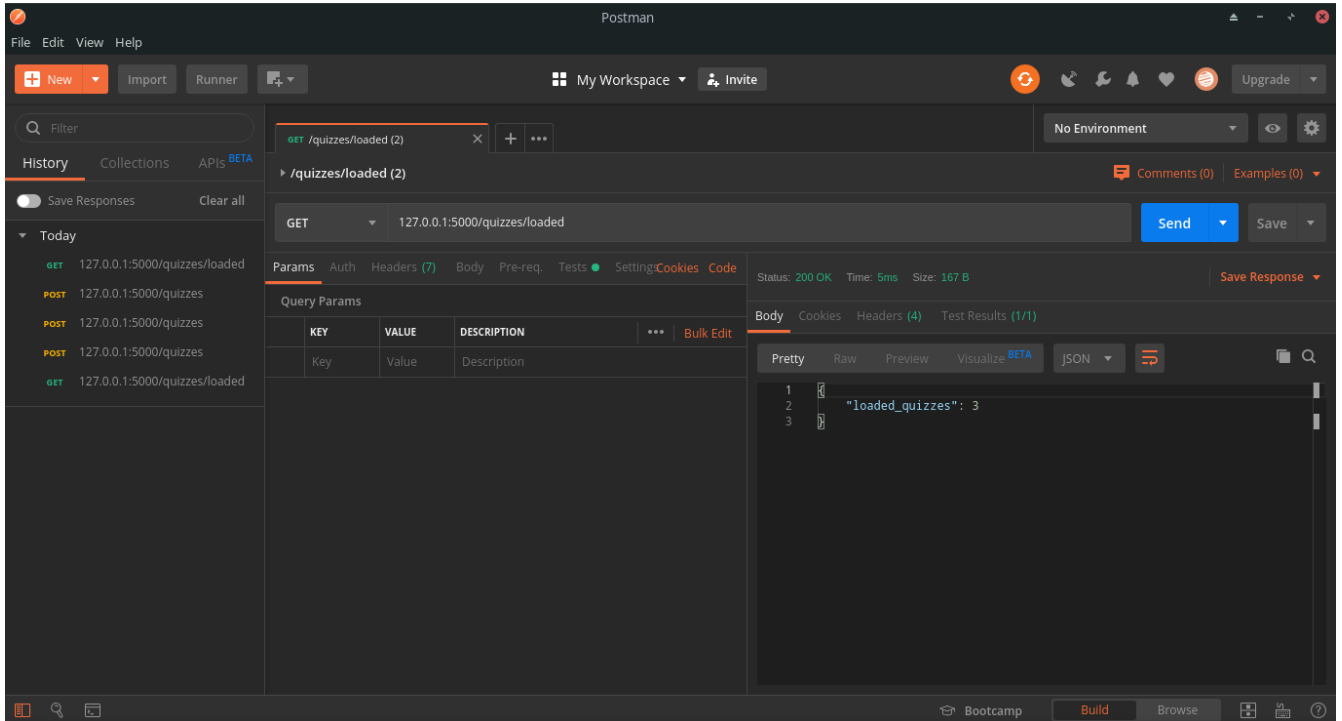


Figura 6: Loaded Quizzes

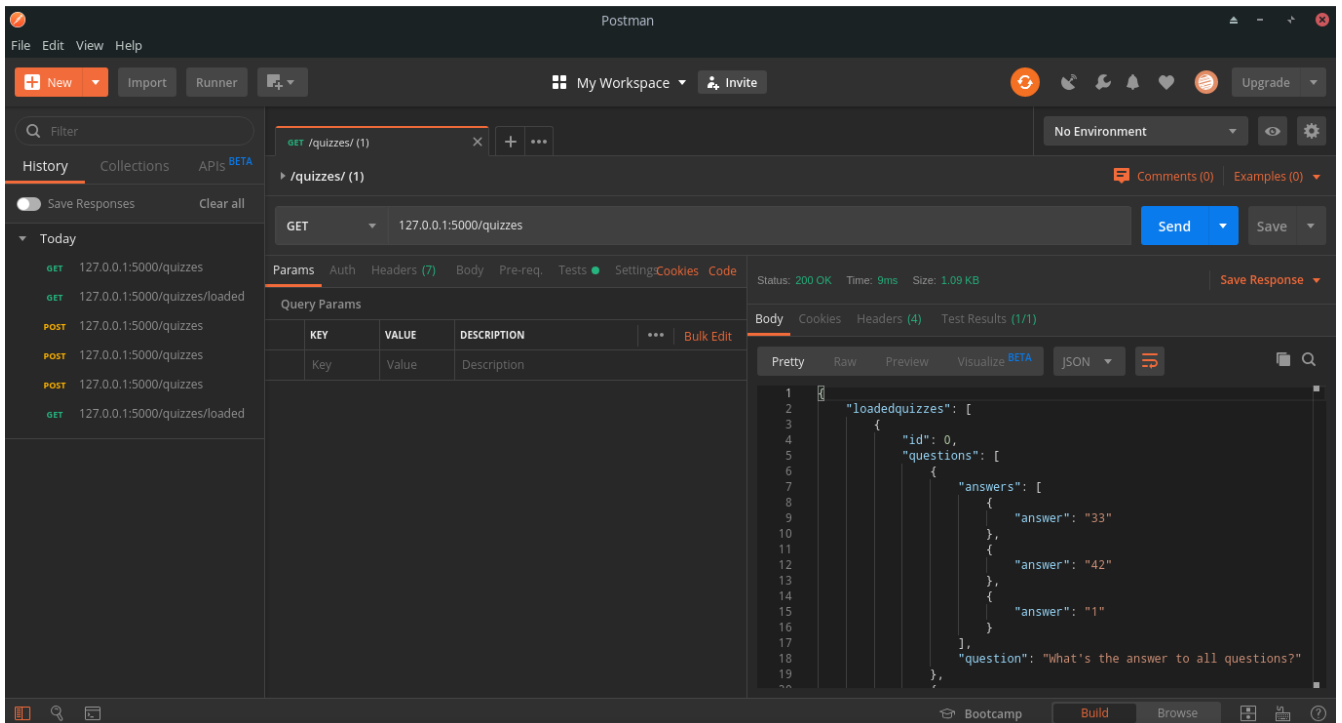


Figura 7: Get All Quizzes

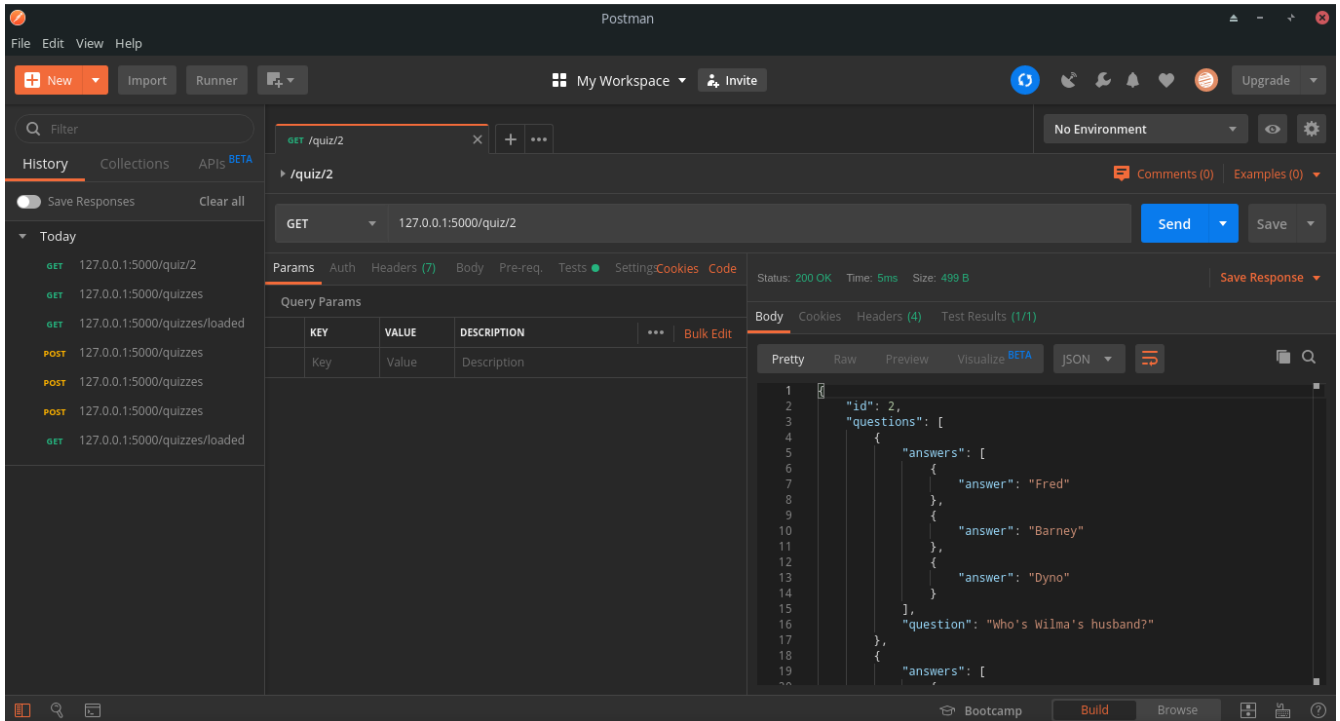


Figura 8: Get Quiz 2 (Existing)

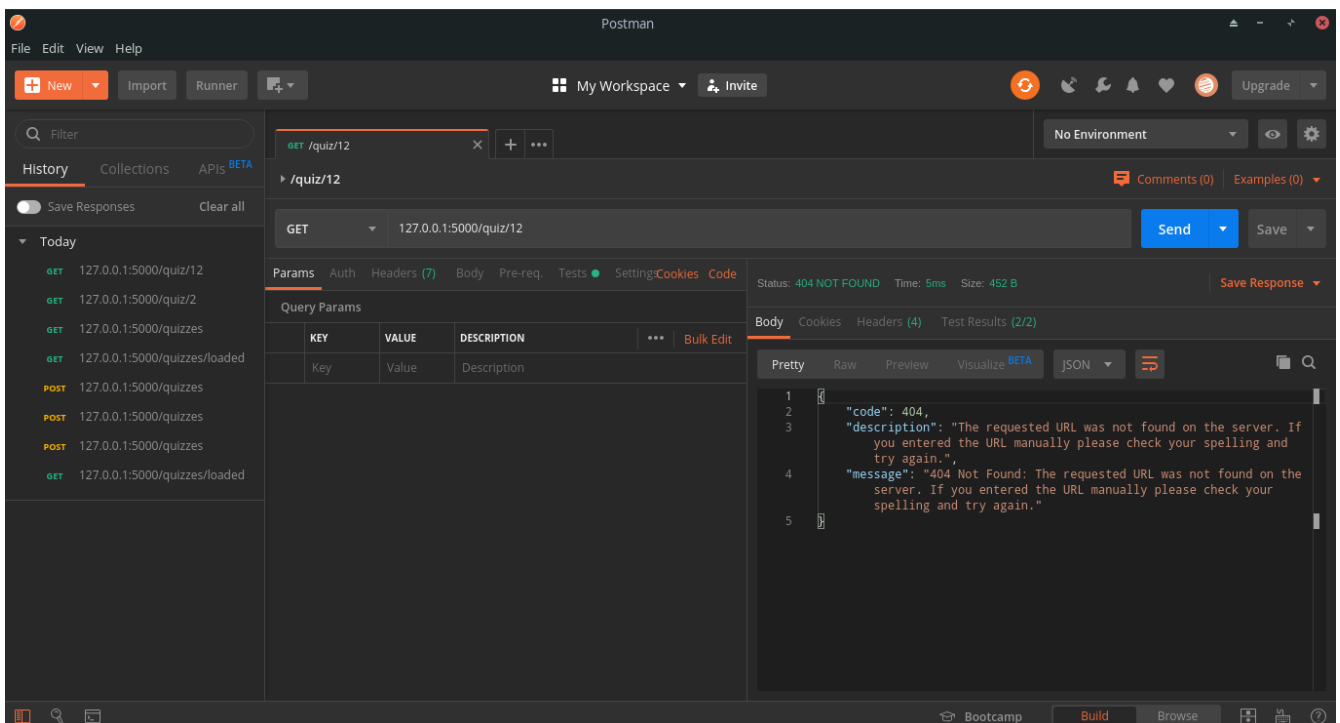


Figura 9: Get Non-Existing Quiz (12)

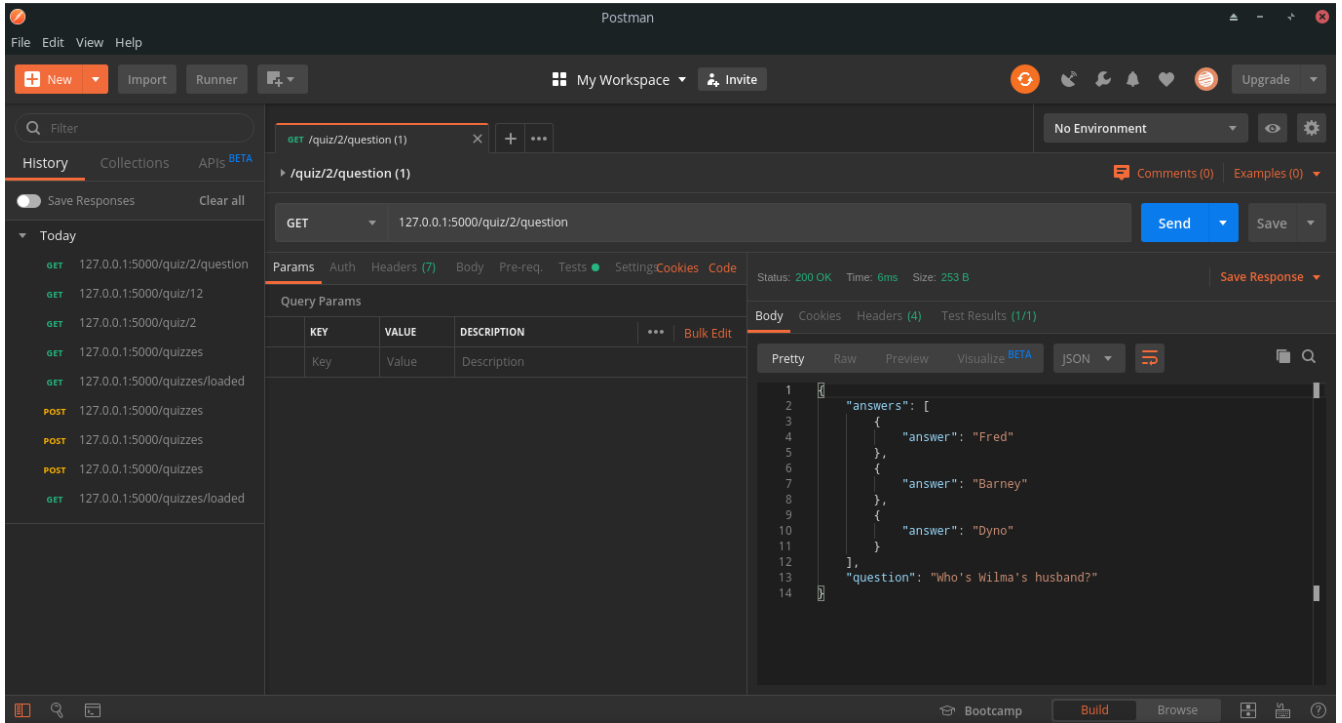


Figura 10: Get Question (2)

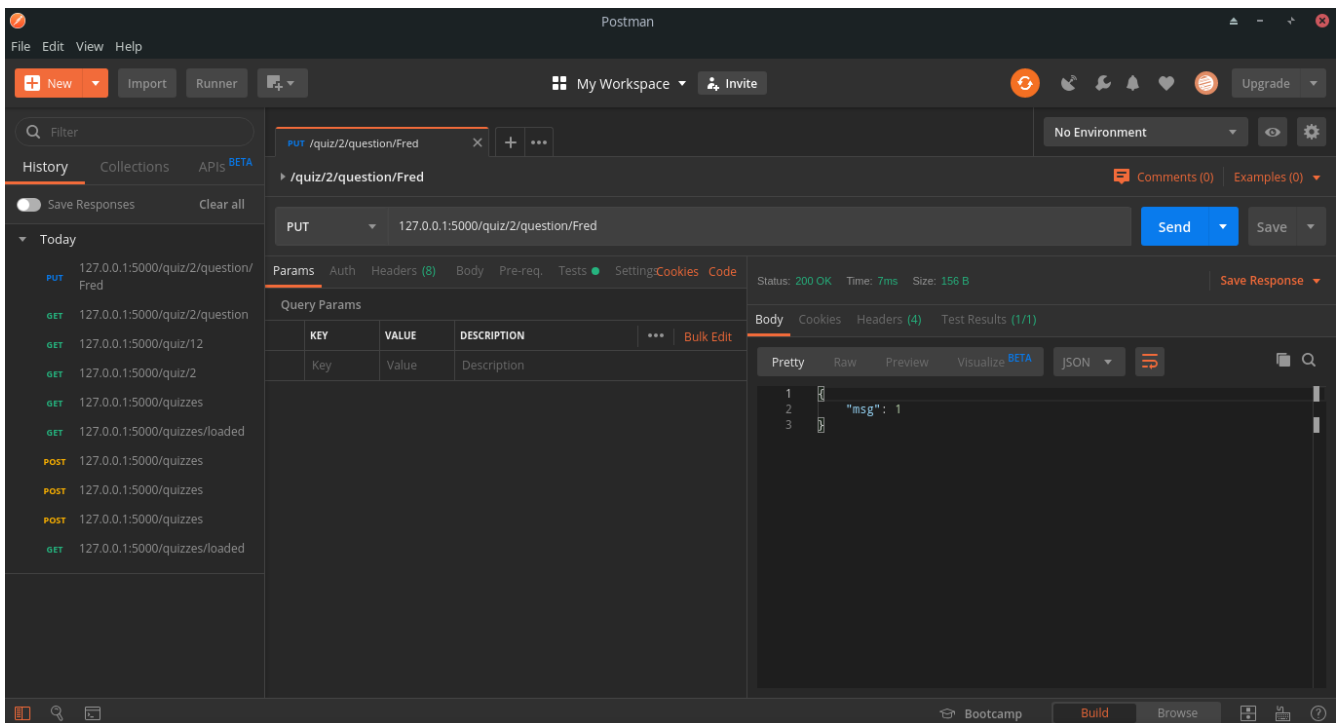


Figura 11: Post Answer (2, Fred, Correct)

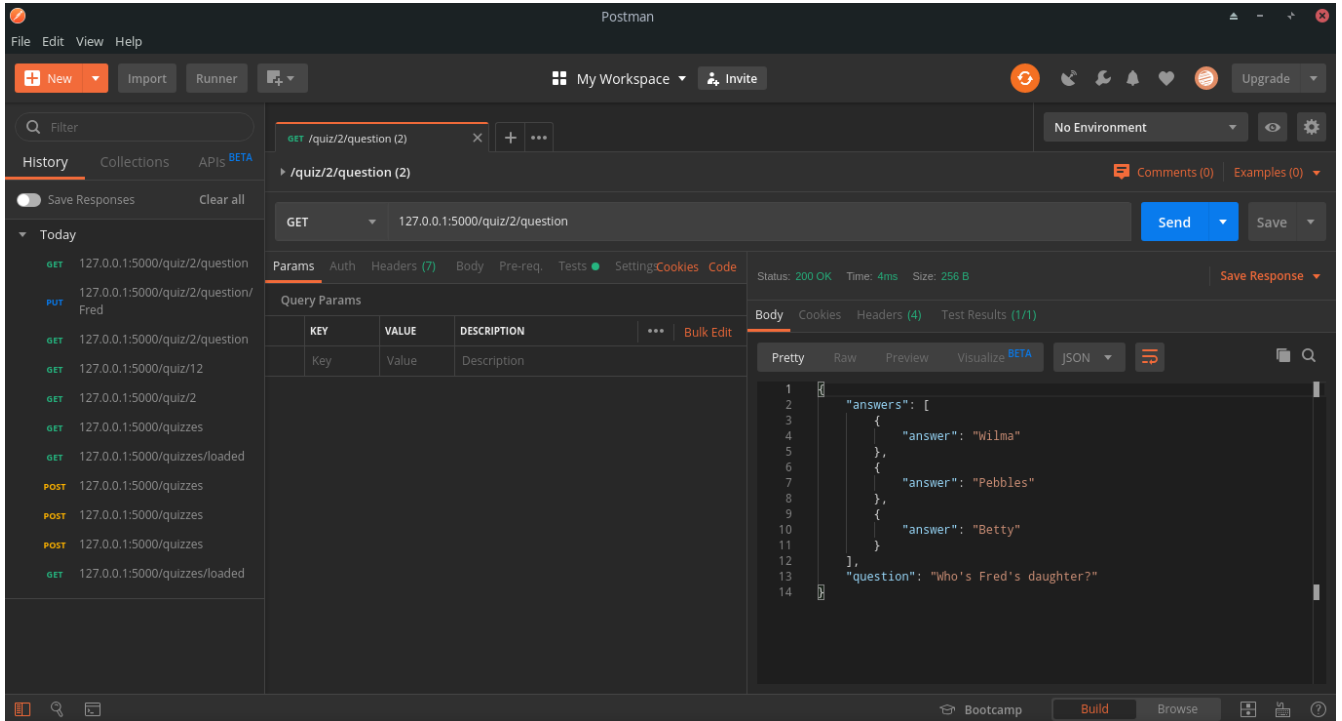


Figura 12: Get Question (2)

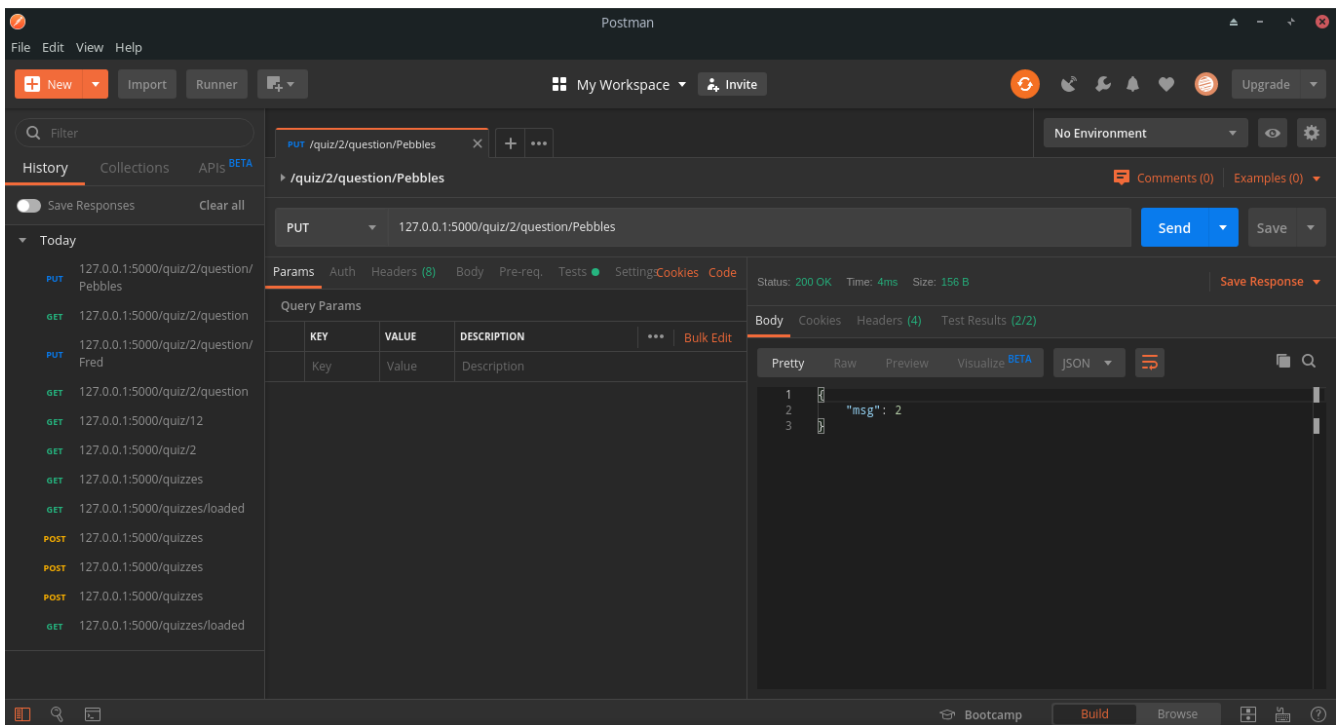


Figura 13: Answer OK (2, Pebbles)

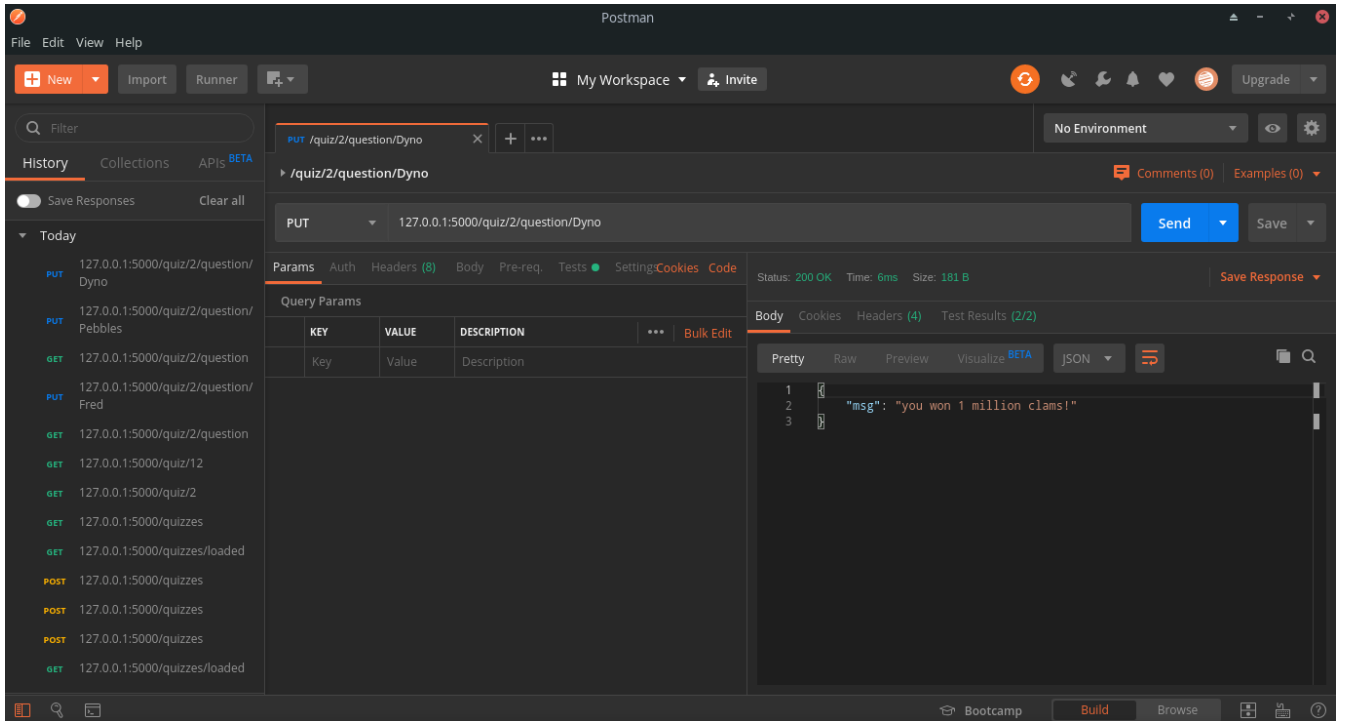


Figura 14: Won 1 Million Clams (2, Dyno)

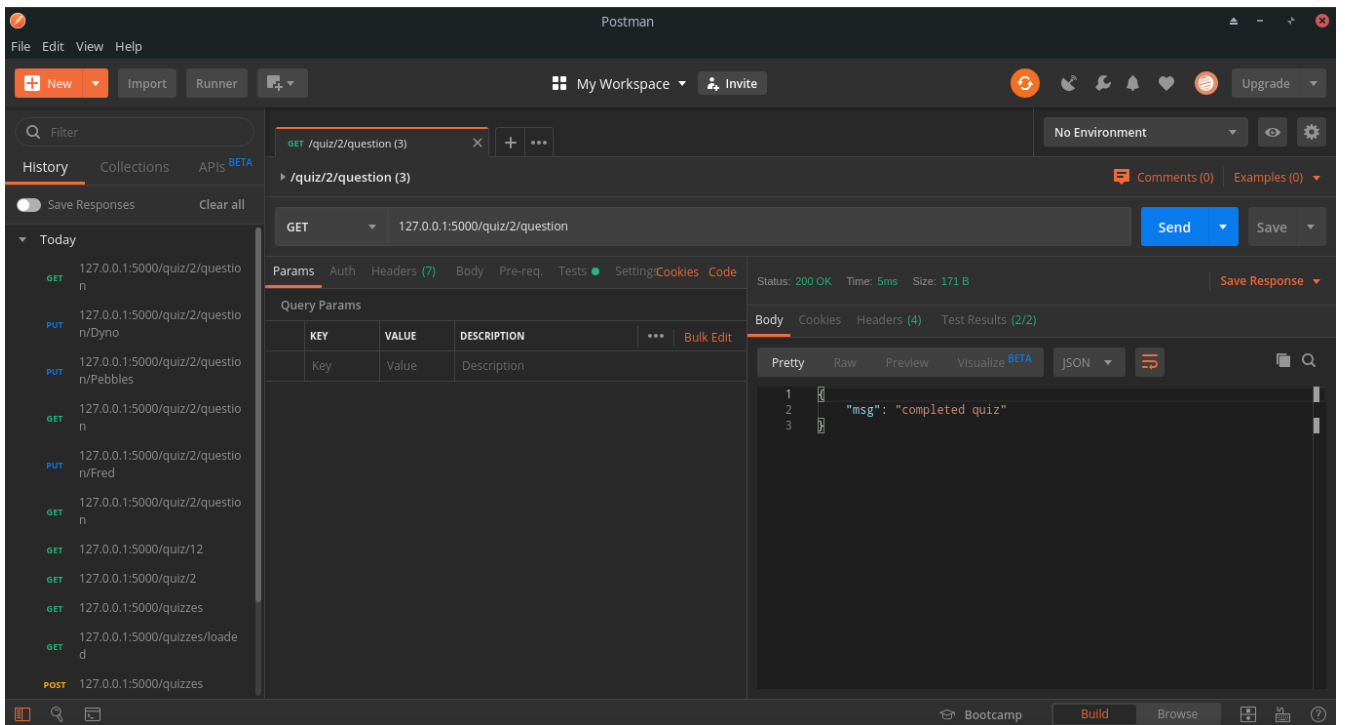


Figura 15: Completed Quiz (2)

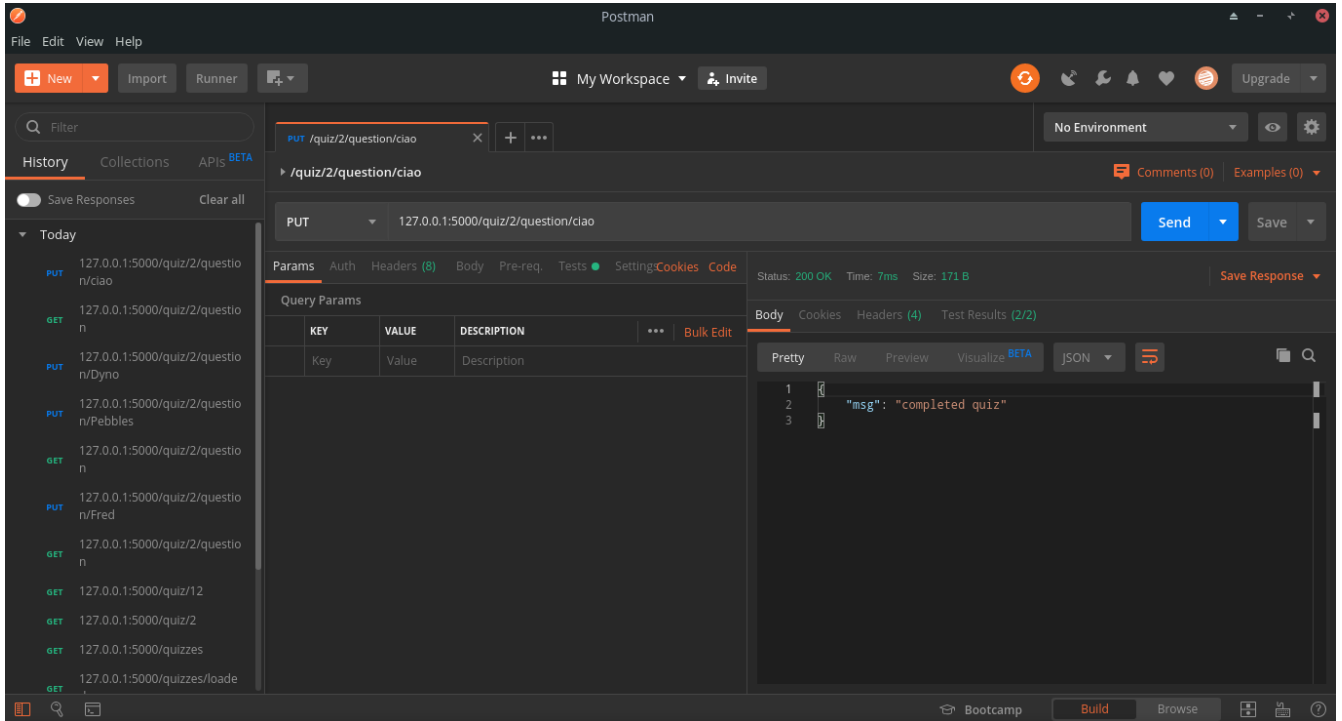


Figura 16: Completed Quiz with Answer (2)

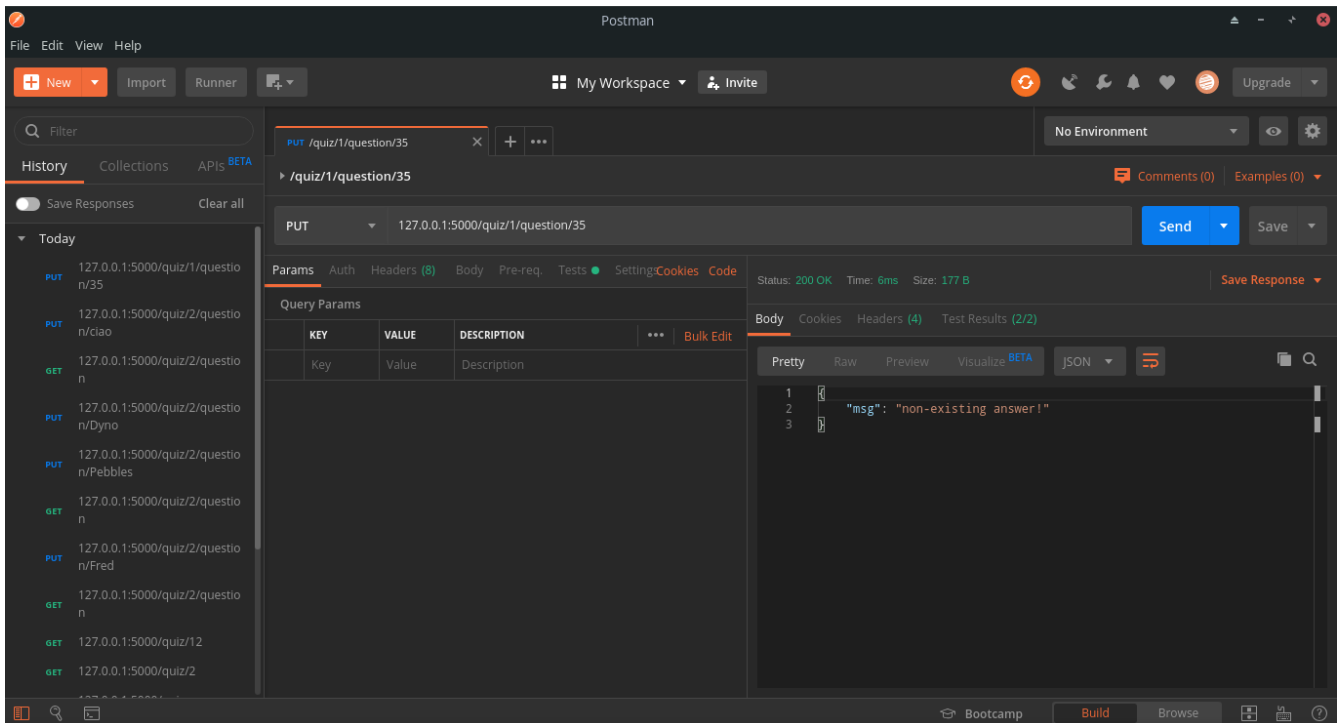


Figura 17: Vote Non-Existing Answer (1, 35)

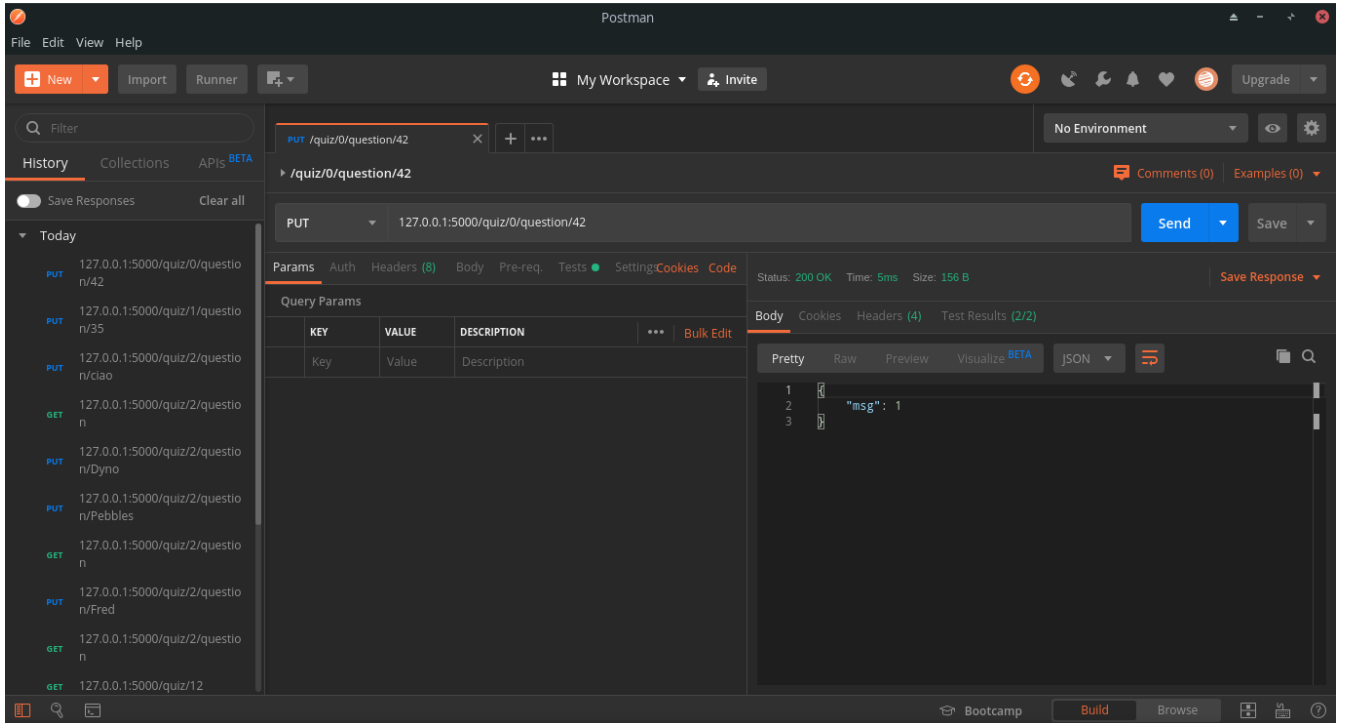


Figura 18: Correct Answer (0, 42)

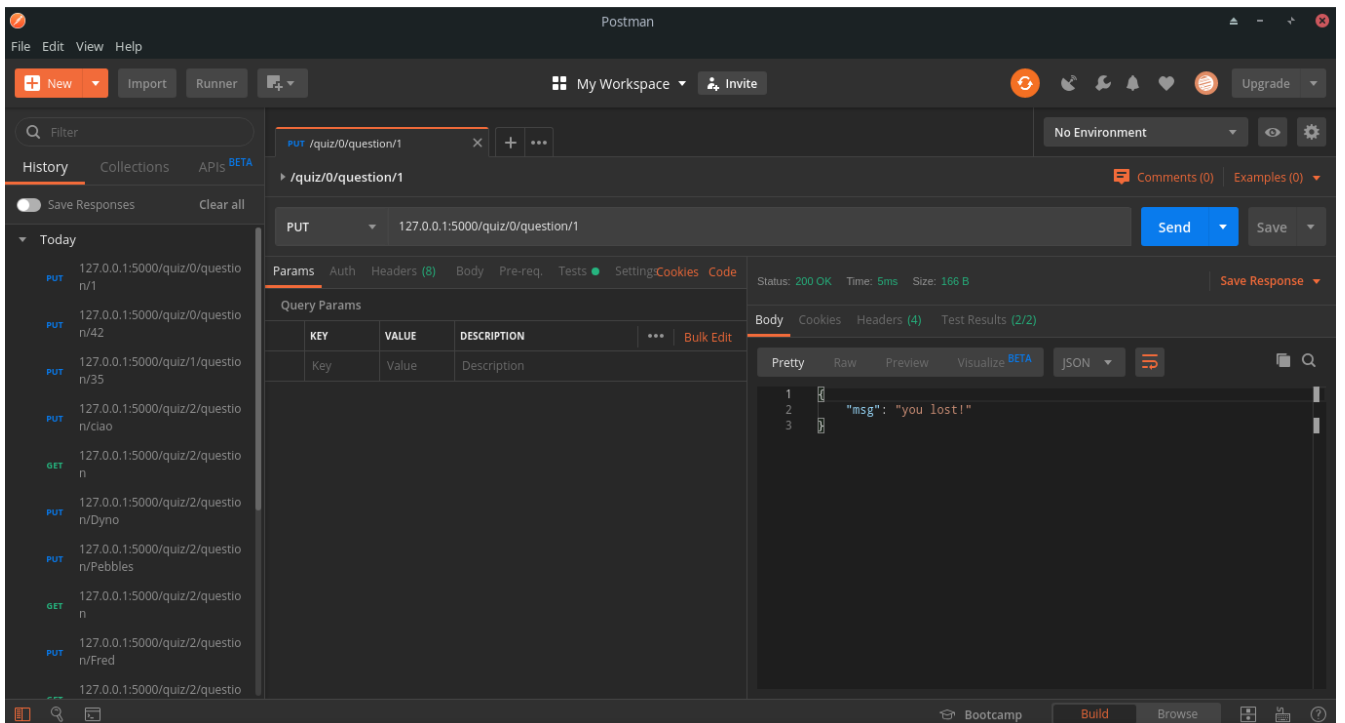


Figura 19: Wrong Answer (0, 1)

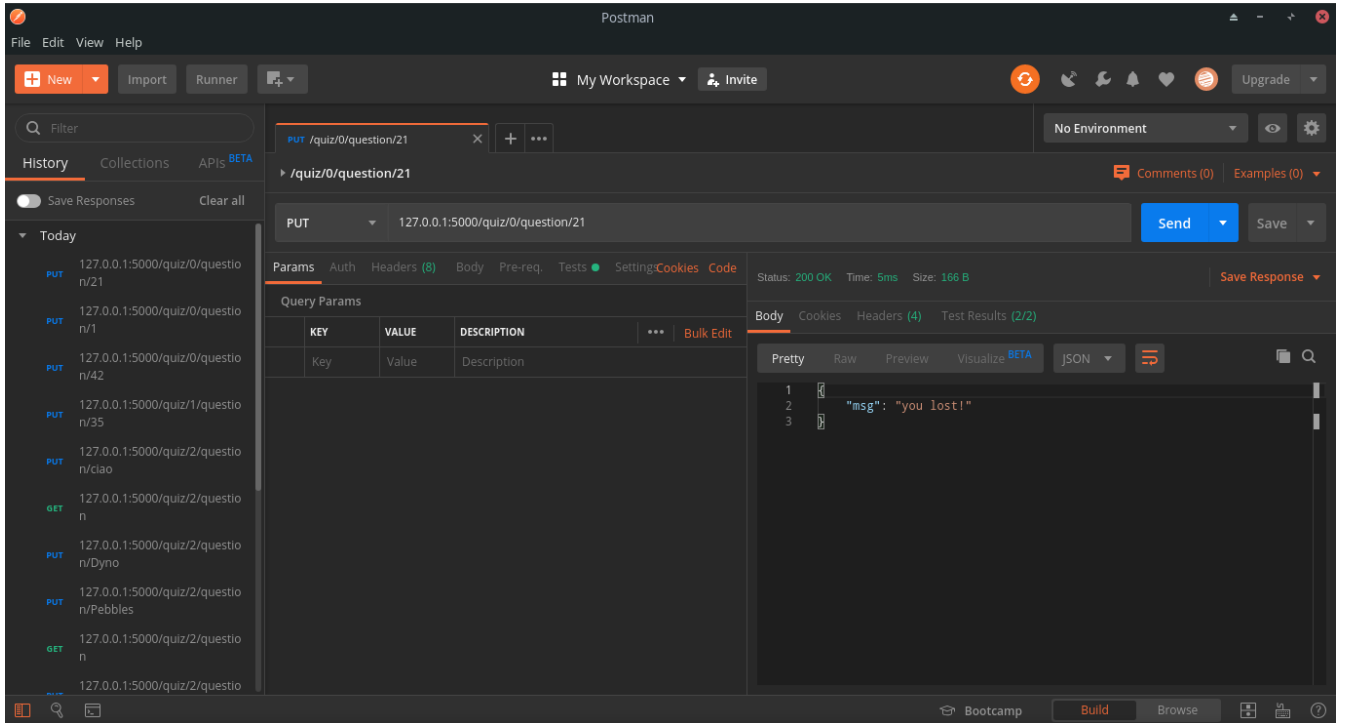


Figura 20: Lost Quiz with Answer (0, 21)

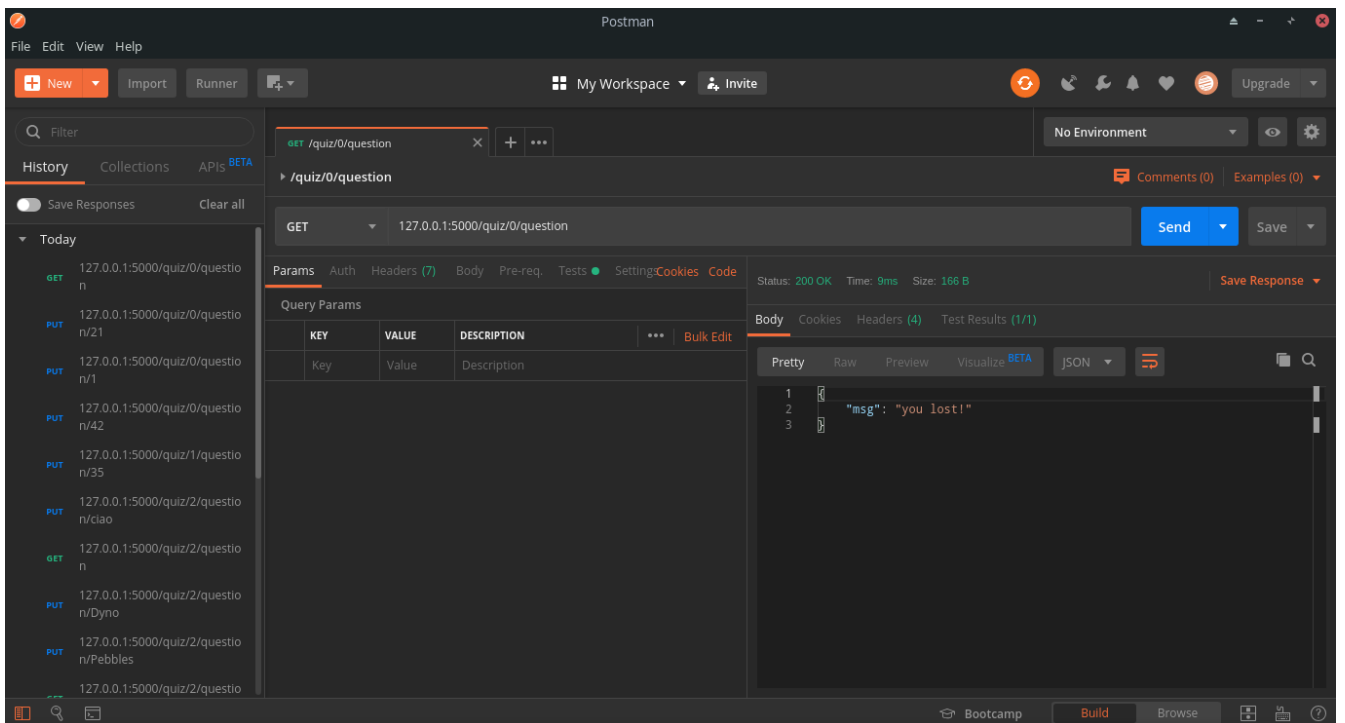


Figura 21: Lost Quiz (0)

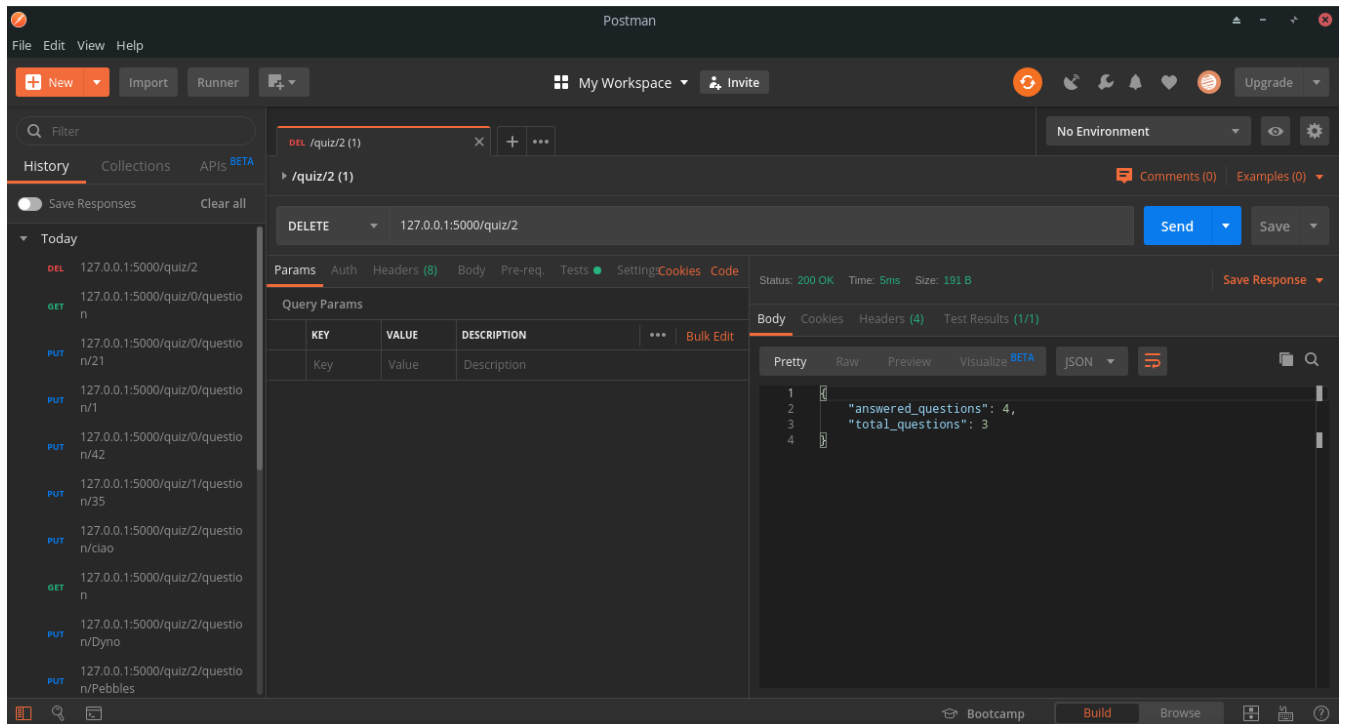


Figura 22: Delete Quiz (2)

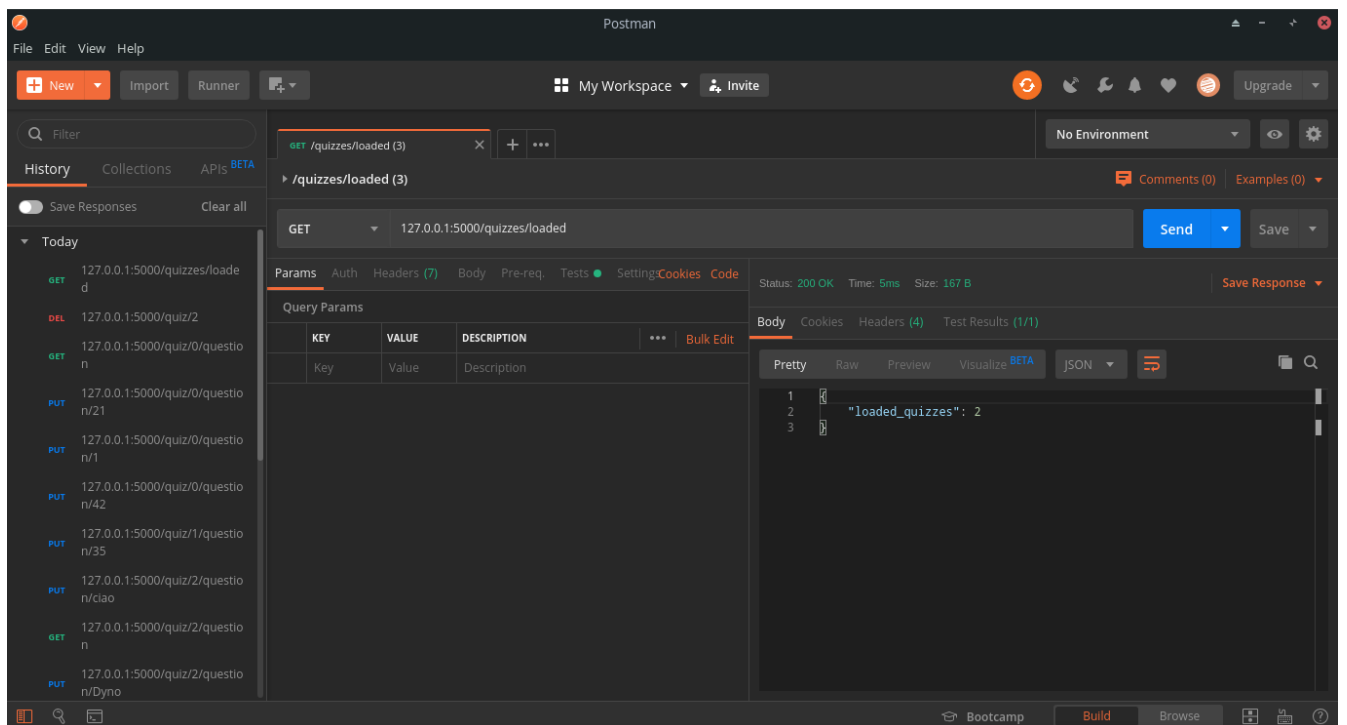


Figura 23: Loaded Quizzes

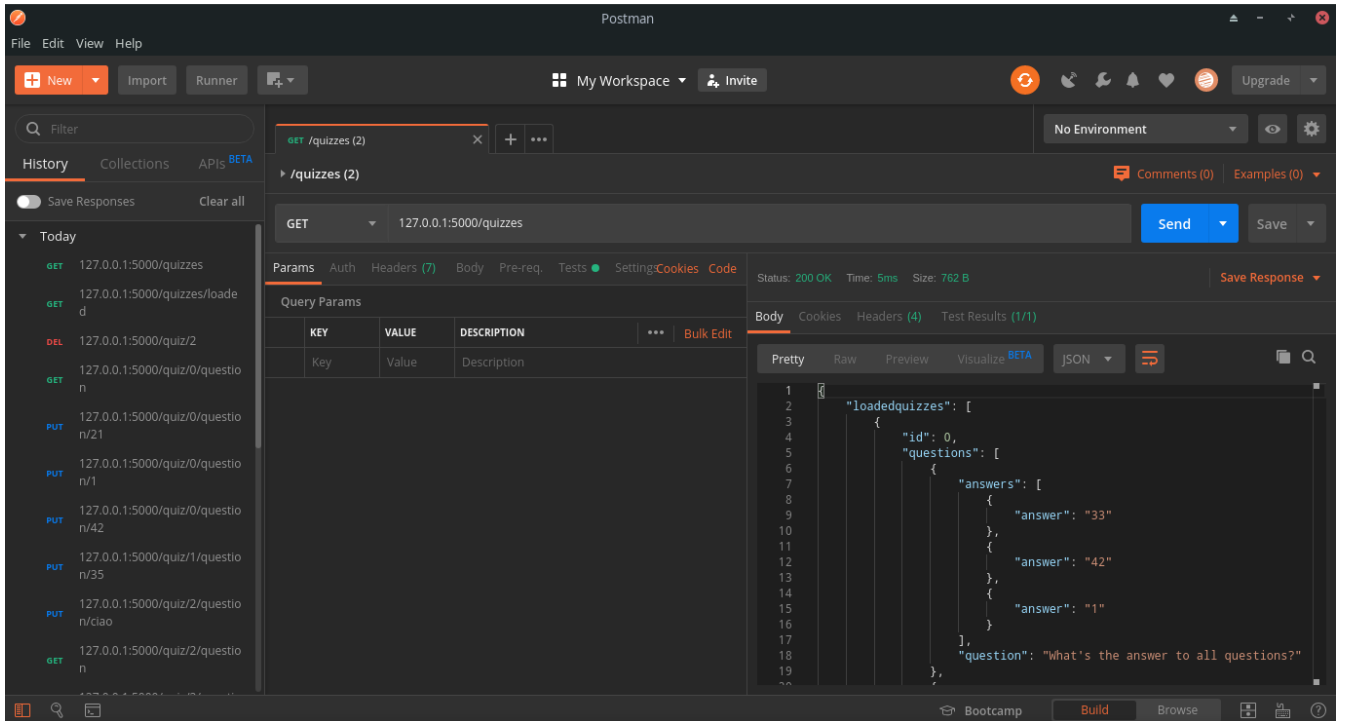


Figura 24: Get All Quizzes

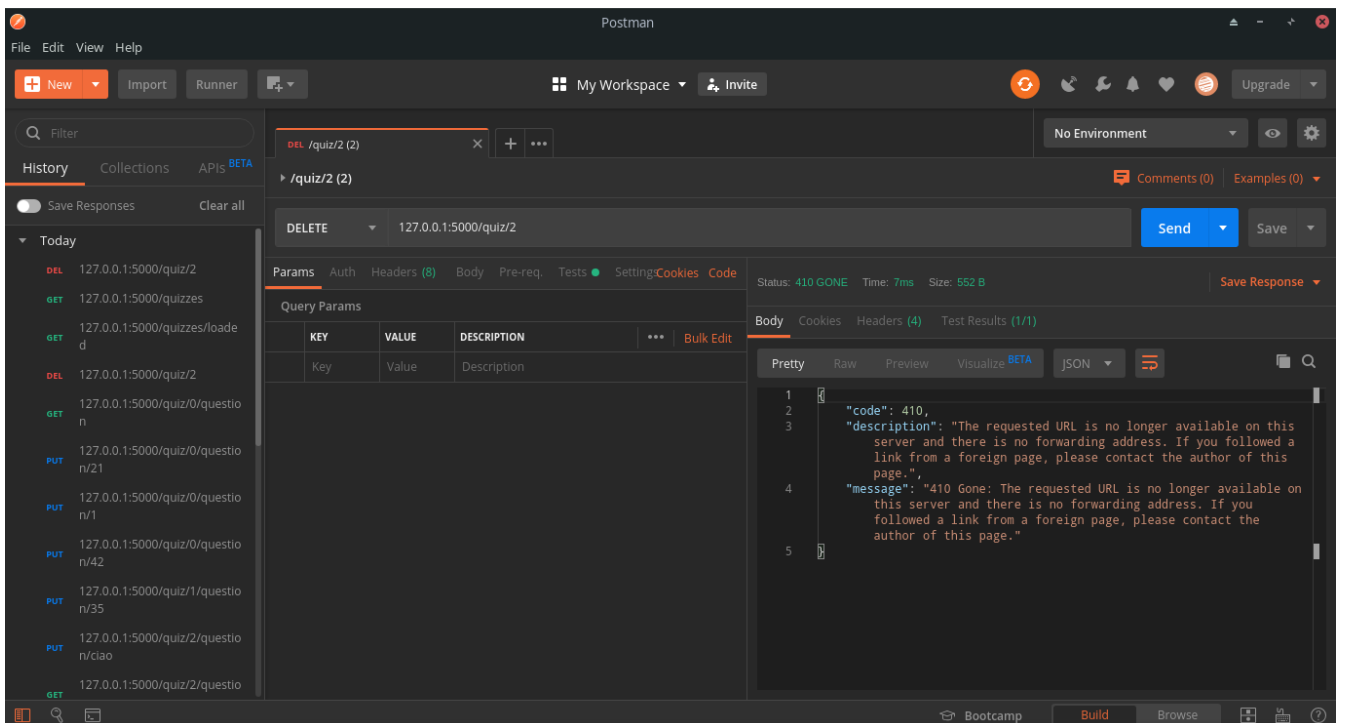


Figura 25: Delete Quiz (2)

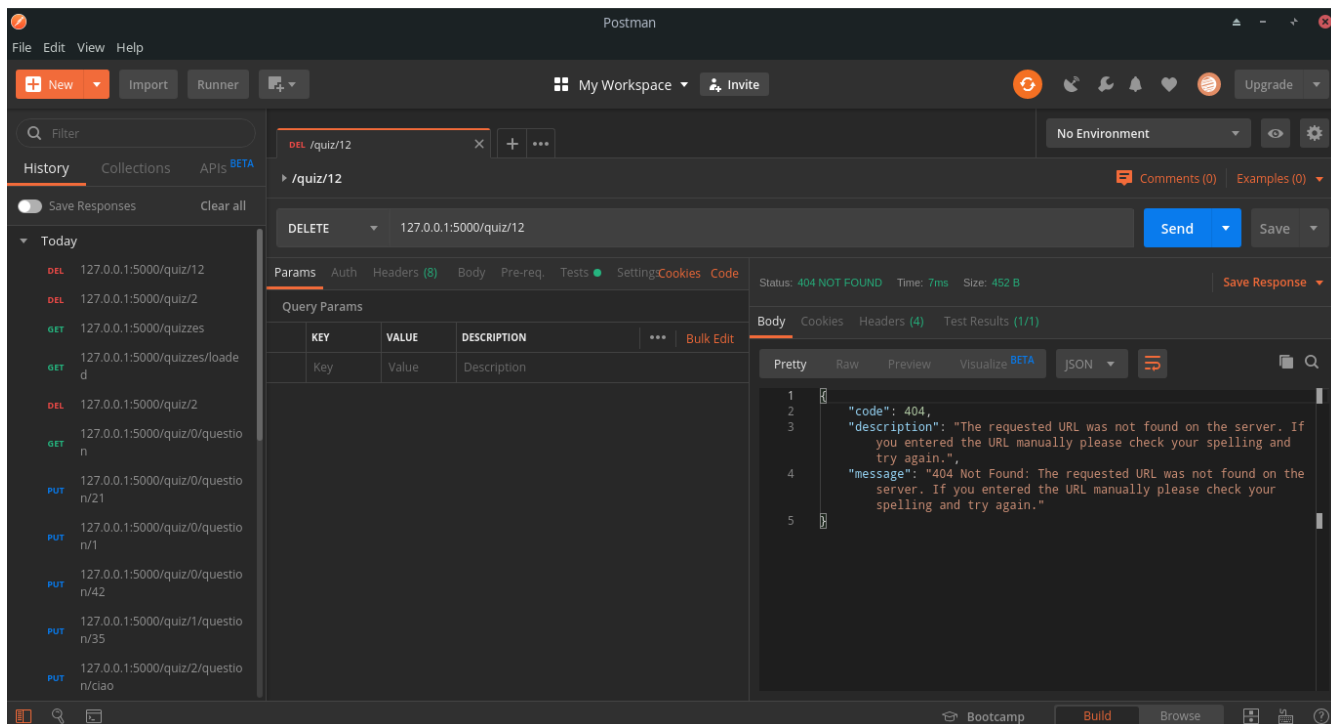


Figura 26: Delete Non-Existing Quiz (12)

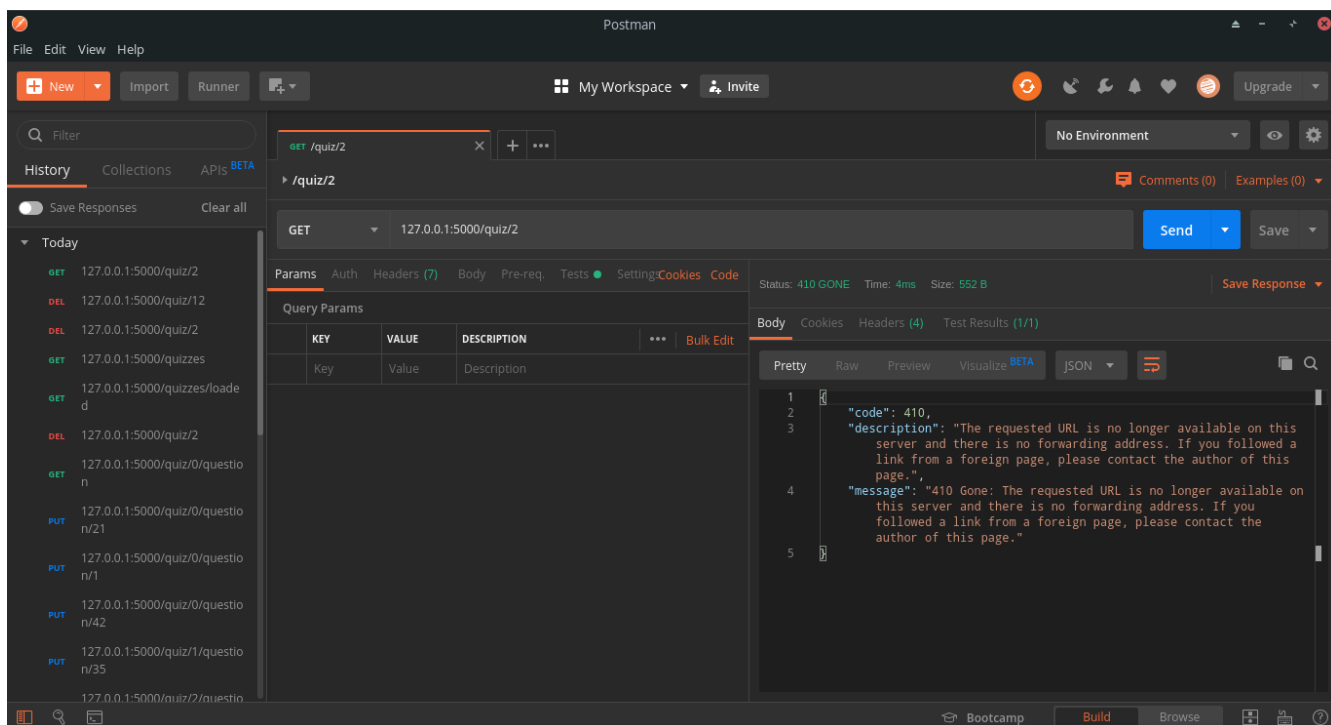


Figura 27: Get Quiz (2)

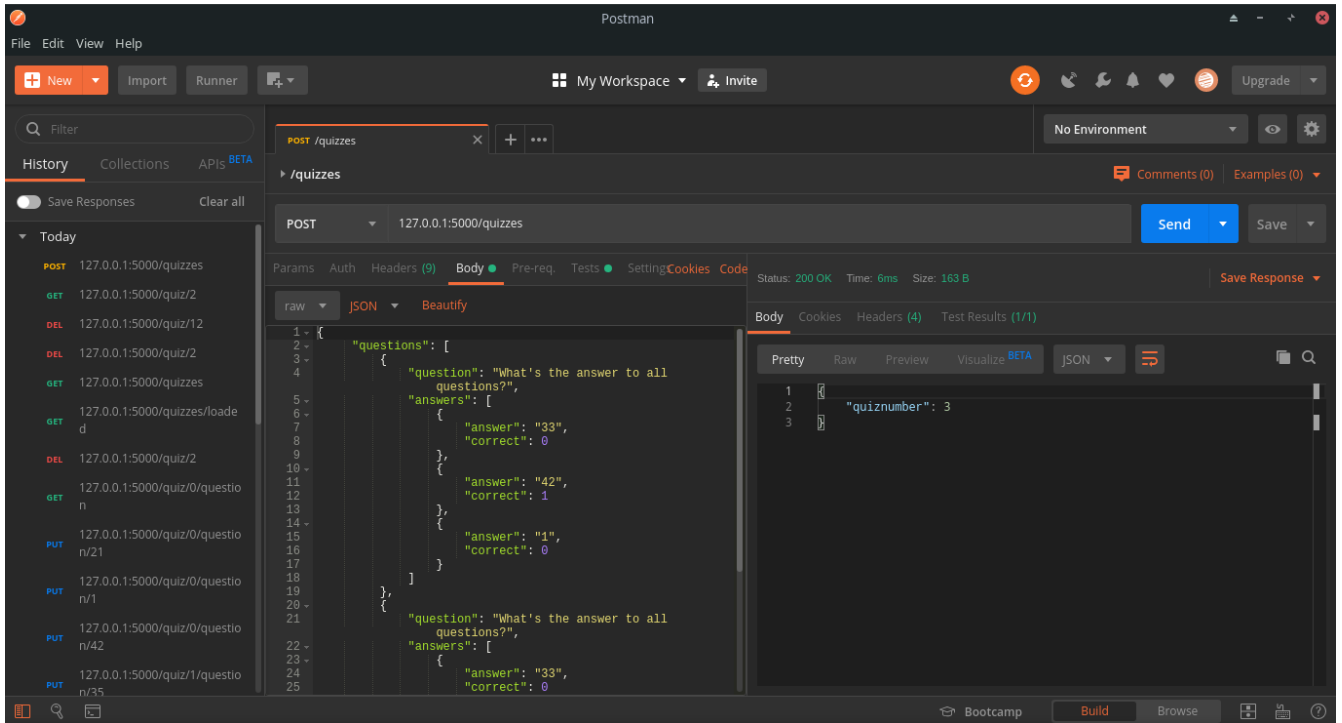


Figura 28: Post Quiz (3)

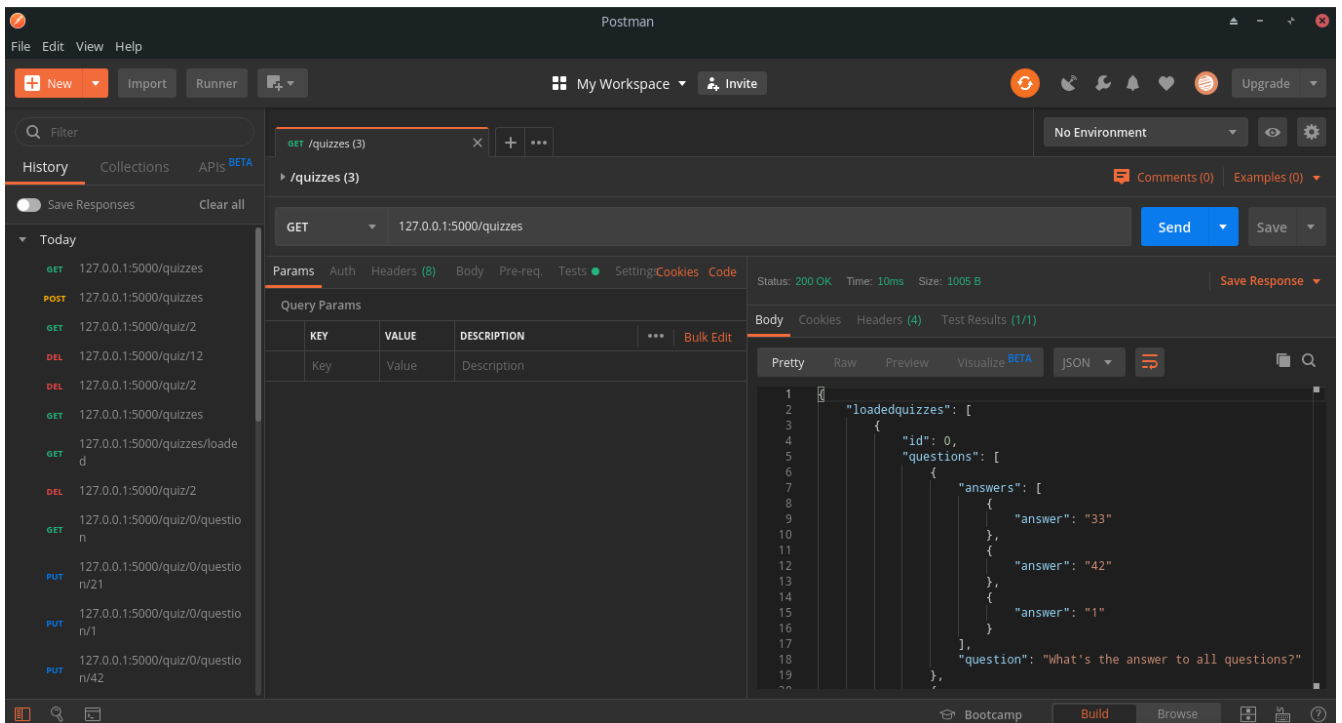


Figura 29: Get All Quizzes

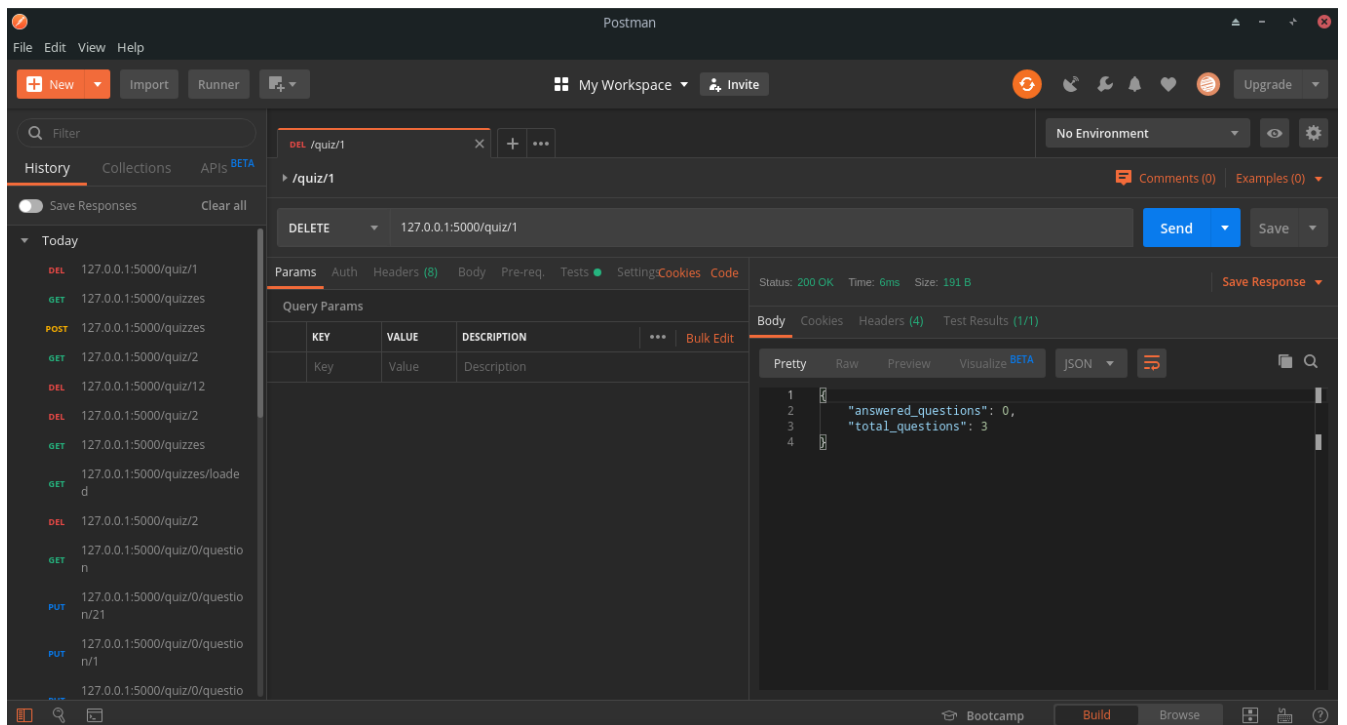


Figura 30: Delete Quiz (1)