

OOP Quiz engine.

Requirements:

1. Quiz engine must be written in OOP (class).
2. Quiz type: True / False
3. Quiz engine must accept a python module with questions.
4. This project must have 2 classes (similar to coffee machine)
 - a. One for one single question.
 - b. Another for “question bank” and other stuff like checking answers, printing questions etc.
5. Question bank generation must be implemented in main.py and must be passed to Quiz brain class (to the constructor)
6. Quiz game must go until the last question, stop only after the last question.
7. After completing all questions show a score.
8. **Remember to normalize data!**

Example questions:

```
question_data = [  
    {  
        "category": "Science: Computers",  
        "type": "boolean",  
        "difficulty": "medium",  
        "question": "The HTML5 standard was published in 2014.",  
        "correct_answer": "True",  
        "incorrect_answers": [  
            "False"  
        ]  
    },  
    {  
        "category": "Science: Computers",  
        "type": "boolean",  
        "difficulty": "medium",  
        "question": "The first computer bug was formed by faulty wires.",  
        "correct_answer": "False",  
        "incorrect_answers": [  
            "True"  
        ]  
    },  
    {  
        "category": "Science: Computers",
```

```

    "type": "boolean",
    "difficulty": "medium",
    "question": "FLAC stands for 'Free Lossless Audio Condenser'.",
    "correct_answer": "False",
    "incorrect_answers": [
        "True"
    ]
},
{
    "category": "Science: Computers",
    "type": "boolean",
    "difficulty": "medium",
    "question": "All program codes have to be compiled into an executable file in order to be
run. This file can then be executed on any machine.",
    "correct_answer": "False",
    "incorrect_answers": [
        "True"
    ]
},
{
    "category": "Science: Computers",
    "type": "boolean",
    "difficulty": "easy",
    "question": "Linus Torvalds created Linux and Git.",
    "correct_answer": "True",
    "incorrect_answers": [
        "False"
    ]
},
{
    "category": "Science: Computers",
    "type": "boolean",
    "difficulty": "easy",
    "question": "The programming language 'Python' is based off a modified version of
'JavaScript'",
    "correct_answer": "False",
    "incorrect_answers": [
        "True"
    ]
},
{
    "category": "Science: Computers",
    "type": "boolean",
    "difficulty": "medium",

```

```

    "question": "AMD created the first consumer 64-bit processor.",
    "correct_answer": "True",
    "incorrect_answers": [
        "False"
    ]
},
{
    "category": "Science: Computers",
    "type": "boolean",
    "difficulty": "easy",
    "question": "'HTML' stands for Hypertext Markup Language.",
    "correct_answer": "True",
    "incorrect_answers": [
        "False"
    ]
},
{
    "category": "Science: Computers",
    "type": "boolean",
    "difficulty": "easy",
    "question": "In most programming languages, the operator ++ is equivalent to the statement '+= 1'.",
    "correct_answer": "True",
    "incorrect_answers": [
        "False"
    ]
},
{
    "category": "Science: Computers",
    "type": "boolean",
    "difficulty": "hard",
    "question": "The IBM PC used an Intel 8008 microprocessor clocked at 4.77 MHz and 8 kilobytes of memory.",
    "correct_answer": "False",
    "incorrect_answers": [
        "True"
    ]
}
]

```