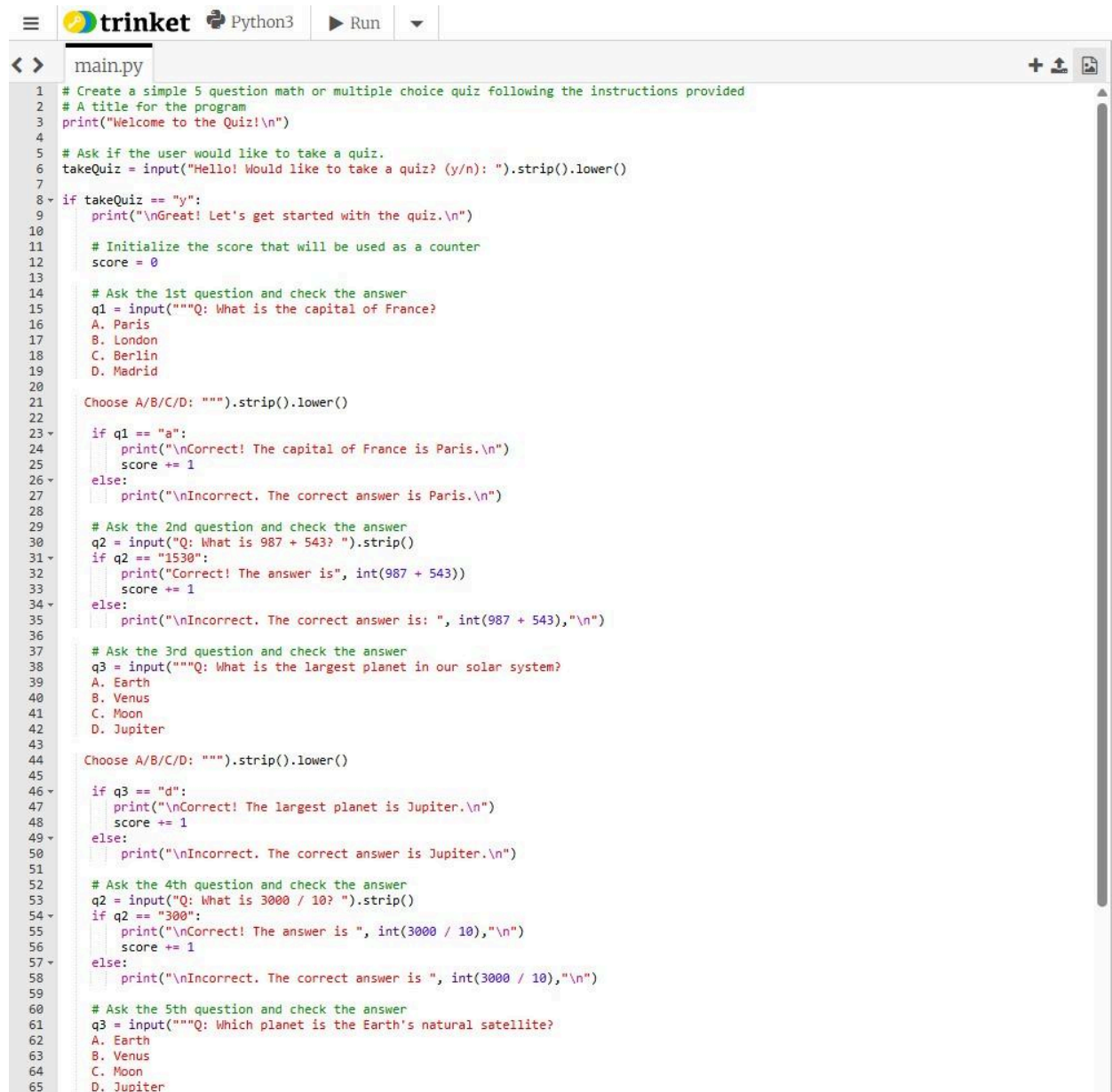



Lab Activity 3



```
1 # Create a simple 5 question math or multiple choice quiz following the instructions provided
2 # A title for the program
3 print("Welcome to the Quiz!\n")
4
5 # Ask if the user would like to take a quiz.
6 takeQuiz = input("Hello! Would like to take a quiz? (y/n): ").strip().lower()
7
8 if takeQuiz == "y":
9     print("\nGreat! Let's get started with the quiz.\n")
10
11     # Initialize the score that will be used as a counter
12     score = 0
13
14     # Ask the 1st question and check the answer
15     q1 = input("""Q: What is the capital of France?
16     A. Paris
17     B. London
18     C. Berlin
19     D. Madrid
20
21     Choose A/B/C/D: """).strip().lower()
22
23     if q1 == "a":
24         print("\nCorrect! The capital of France is Paris.\n")
25         score += 1
26     else:
27         print("\nIncorrect. The correct answer is Paris.\n")
28
29     # Ask the 2nd question and check the answer
30     q2 = input("Q: What is 987 + 543? ").strip()
31     if q2 == "1530":
32         print("Correct! The answer is", int(987 + 543))
33         score += 1
34     else:
35         print("\nIncorrect. The correct answer is: ", int(987 + 543),"\n")
36
37     # Ask the 3rd question and check the answer
38     q3 = input("""Q: What is the largest planet in our solar system?
39     A. Earth
40     B. Venus
41     C. Moon
42     D. Jupiter
43
44     Choose A/B/C/D: """).strip().lower()
45
46     if q3 == "d":
47         print("\nCorrect! The largest planet is Jupiter.\n")
48         score += 1
49     else:
50         print("\nIncorrect. The correct answer is Jupiter.\n")
51
52     # Ask the 4th question and check the answer
53     q2 = input("Q: What is 3000 / 10? ").strip()
54     if q2 == "300":
55         print("\nCorrect! The answer is ", int(3000 / 10),"\n")
56         score += 1
57     else:
58         print("\nIncorrect. The correct answer is ", int(3000 / 10),"\n")
59
60     # Ask the 5th question and check the answer
61     q3 = input("""Q: Which planet is the Earth's natural satellite?
62     A. Earth
63     B. Venus
64     C. Moon
65     D. Jupiter
```

:

```
66 Choose A/B/C/D: "").strip().lower()
67
68
69 if q3 == "c":
70     print("\nCorrect! The Earth's natural satellite is the Moon.\n")
71     score += 1
72 else:
73     print("\nIncorrect. The correct answer is the Moon.\n")
74     print()
75
76 # Display the final score
77 print(f"Your final score is {score} out of 5.")
78 print()
79
80 #Display personalized feedback
81 if score == 5:
82     print("Awesome work! You are a Rockstar.\n")
83 elif score == 4:
84     print("Nice job! Almost 100%.\n")
85 elif score == 2 or score == 3:
86     print("Keep studying!\n")
87 else:
88     print("Maybe this isn't your area of interest?\n")
89
90 print("Thank you for taking the quiz!")
91 #When user dont want to take a quiz
92 elif takeQuiz == "n":
93     print("\nMaybe next time. Goodbye!\n")
94     #When user entered invalid input
95 else:
96     print("Invalid input. Please restart.")
97
```

Powered by  **trinket**
Welcome to the Quiz!

Hello! Would like to take a quiz? (y/n): **y**

Great! Let's get started with the quiz.

Q: What is the capital of France?

- A. Paris
- B. London
- C. Berlin
- D. Madrid

Choose A/B/C/D: **a**

Correct! The capital of France is Paris.

Q: What is $987 + 543$? **531**

Incorrect. The correct answer is: 1530

Q: What is the largest planet in our solar system?

- A. Earth
- B. Venus
- C. Moon
- D. Jupiter

Choose A/B/C/D: **d**

Correct! The largest planet is Jupiter.

Q: What is $3000 / 10$? **300**

Correct! The answer is 300

Q: Which planet is the Earth's natural satellite?

- A. Earth
- B. Venus
- C. Moon
- D. Jupiter

Choose A/B/C/D: **c**

Correct! The Earth's natural satellite is the Moon.

Your final score is 4 out of 5.

Nice job! Almost 100%.

Thank you for taking the quiz!