Write a Java program that implements the functionality described in the scenario. Ensure that your program is error-free, compiles successfully, and produces the expected output. Test your program with different inputs to verify its correctness.

Make sure the following requirements are met:

* + The program should include five multiple-choice questions with four options.
  + The four options should be labeled A, B, C, and D.
  + The program should prompt the user to enter their answer by typing the corresponding letter (A, B, C, or D).
  + After the user has entered their answer for each question, the program should compare it to the correct answer and keep track of the number of correct responses.
  + The program should compute and display the final score as a percentage of the total number of questions.
  + Use if and switch case statements to handle user input and compare it to the correct answers.
  + Include comments to explain the purpose of each section of code and enhance code readability.

**You will be assessed based on the following criteria:**

1. Compilation – This transforms the written source code into executable bytecode.
2. Input Validation – This ensures that the user's input meets certain criteria or constraints before it is processed further.
3. Logic and Computation - This handles the core functionality and processing of the quiz.
4. Program flow and structure - It encompasses the overall structure and behavior of the program.
5. Output - Refers to the information or feedback presented to the user based on their interactions with the program. Provide a screenshot of the output.
6. Code style and readability - Refers to the way the code is written, organized, and presented. It focuses on making the code clear, easy to understand, and maintainable.