

Untitled-3

```
1 import java.util.Scanner;
2
3 class Question {
4     String question;
5     String[] options;
6     char correctAnswer;
7
8     public Question(String question, String[] options, char correctAnswer) {
9         this.question = question;
10        this.options = options;
11        this.correctAnswer = correctAnswer;
12    }
13
14    public boolean isCorrect(char answer) {
15        return answer == correctAnswer;
16    }
17 }
18
19 public class OnlineExam {
20     private static Question[] questions = {
21         new Question("What is the capital of France?",
22             new String[]{"A. Paris", "B. London", "C. Berlin", "D. Madrid"}, 'A'),
23         new Question("Which language is used for Android development?",
24             new String[]{"A. Swift", "B. Kotlin", "C. Ruby", "D. Python"}, 'B'),
25         new Question("Who wrote 'Romeo and Juliet'?",
26             new String[]{"A. Shakespeare", "B. Dickens", "C. Austen", "D. Orwell"},
27 'A'),
28         new Question("What is the largest planet in our solar system?",
29             new String[]{"A. Earth", "B. Mars", "C. Jupiter", "D. Saturn"}, 'C'),
30         new Question("Which is the smallest prime number?",
31             new String[]{"A. 0", "B. 1", "C. 2", "D. 3"}, 'C')
32     };
33
34     public static void main(String[] args) {
35         Scanner scanner = new Scanner(System.in);
36         int score = 0;
37
38         System.out.println("Welcome to the Online Exam!\n");
39
40         for (int i = 0; i < questions.length; i++) {
41             System.out.println("Question " + (i + 1) + ": " + questions[i].question);
42             for (String option : questions[i].options) {
43                 System.out.println(option);
44             }
45             System.out.print("Your answer (A/B/C/D): ");
46             char answer = scanner.next().toUpperCase().charAt(0);
47
48             if (questions[i].isCorrect(answer)) {
```

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48         System.out.println("Correct!\n");
49         score++;
50     } else {
51         System.out.println("Incorrect. The correct answer was " +
questions[i].correctAnswer + ".\n");
52     }
53 }
54
55 System.out.println("Your final score is: " + score + " out of " + questions.length);
56
57 if (score == questions.length) {
58     System.out.println("Excellent! You got all the questions right!");
59 } else if (score >= questions.length / 2) {
60     System.out.println("Good job! You passed the exam.");
61 } else {
62     System.out.println("Better luck next time. Keep studying!");
63 }
64
65 scanner.close();
66 }
67 }
68 }
```