import java.util.ArrayList;

import java.util.List;

import java.util.Scanner;

public class OnlineExamination {

private String examTitle;

private List<Question> questions;

public OnlineExamination(String examTitle) {

this.examTitle = examTitle;

this.questions = new ArrayList<>();

}

public void addQuestion(Question question) {

questions.add(question);

}

public void startExam() {

int totalQuestions = questions.size();

int score = 0;

System.out.println("----- " + examTitle + " -----");

System.out.println("Total Questions: " + totalQuestions);

System.out.println("------------------------------");

Scanner scanner = new Scanner(System.in);

for (int i = 0; i < totalQuestions; i++) {

Question question = questions.get(i);

System.out.println("Question " + (i + 1) + ": " + question.getQuestionText());

for (int j = 0; j < question.getOptions().size(); j++) {

System.out.println((j + 1) + ". " + question.getOptions().get(j));

}

System.out.print("Enter your answer (1-" + question.getOptions().size() + "): ");

int userAnswer = scanner.nextInt();

if (userAnswer == question.getCorrectAnswer()) {

System.out.println("Correct!");

score++;

} else {

System.out.println("Incorrect!");

}

System.out.println("------------------------------");

}

System.out.println("Exam completed!");

System.out.println("Your score: " + score + "/" + totalQuestions);

}

public static void main(String[] args) {

OnlineExamination exam = new OnlineExamination("Java Basics");

// Add questions to the exam

Question q1 = new Question("What is the capital of France?");

q1.addOption("London");

q1.addOption("Paris");

q1.addOption("Berlin");

q1.addOption("Madrid");

q1.setCorrectAnswer(2);

Question q2 = new Question("Which programming language is used for Android app development?");

q2.addOption("Java");

q2.addOption("Python");

q2.addOption("C#");

q2.addOption("JavaScript");

q2.setCorrectAnswer(1);

exam.addQuestion(q1);

exam.addQuestion(q2);

// Start the exam

exam.startExam();

}

}

class Question {

private String questionText;

private List<String> options;

private int correctAnswer;

public Question(String questionText) {

this.questionText = questionText;

this.options = new ArrayList<>();

}

public void addOption(String option) {

options.add(option);

}

public String getQuestionText() {

return questionText;

}

public List<String> getOptions() {

return options;

}

public void setCorrectAnswer(int correctAnswer) {

this.correctAnswer = correctAnswer;

}

public int getCorrectAnswer() {

return correctAnswer;

}

}