package Project1;  
  
public class P1 {  
 private String questionText;  
 private String[] options;  
 private int correctAnswer;  
  
 public P1(String questionText, String[] options, int correctAnswer) {  
 this.questionText = questionText;  
 this.options = options;  
 this.correctAnswer = correctAnswer;  
 }  
  
 public String getQuestionText() {  
 return questionText;  
 }  
  
 public String[] getOptions() {  
 return options;  
 }  
  
 public boolean isCorrect(int answer) {  
 return answer == correctAnswer;  
 }  
}

import java.util.ArrayList;  
import java.util.Scanner;  
import java.util.InputMismatchException;  
  
public class Quiz {  
 private ArrayList<P1> questions = new ArrayList<>();  
 private int score = 0;  
  
 public void addQuestion(P1 question) {  
 questions.add(question);  
 }  
  
 public void start() {  
 Scanner scanner = new Scanner(System.*in*);  
 for (P1 question : questions) {  
 System.*out*.println(question.getQuestionText());  
 String[] options = question.getOptions();  
 for (int i = 0; i < options.length; i++) {  
 System.*out*.println((i + 1) + ". " + options[i]);  
 }  
  
 int answer = 0;  
 boolean valid = false;  
 while (!valid) {  
 System.*out*.print("Your answer: ");  
 try {  
 answer = scanner.nextInt();  
 if (answer >= 1 && answer <= options.length) {  
 valid = true;  
 } else {  
 System.*out*.println("Please enter a valid option number.");  
 }  
 } catch (InputMismatchException e) {  
 System.*out*.println("Invalid input. Please enter a number.");  
 scanner.next(); // Clear the incorrect input  
 }  
 }  
  
 if (question.isCorrect(answer - 1)) {  
 System.*out*.println("Correct!");  
 score++;  
 } else {  
 System.*out*.println("Incorrect.");  
 }  
 }  
 System.*out*.println("Final Score: " + score + "/" + questions.size());  
 scanner.close(); // It's good practice to close the Scanner  
 }  
} // Check that this closing brace is present

//last code

package Project1;  
  
public class Main {  
 public static void main(String[] args) {  
 Quiz quiz = new Quiz();  
  
 String[] options1 = {"Java", "Python", "C++", "JavaScript"};  
 quiz.addQuestion(new P1("Which language is used in Android development?", options1, 0));  
  
 String[] options2 = {"HTML", "CSS", "PHP", "Python"};  
 quiz.addQuestion(new P1("Which language is used for web development?", options2, 3));  
  
 quiz.start();  
 }  
}