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package com.sjprogramming.quizapp;

import java.sql.SQLOutput;
import java.util.HashMap;
import java.util.Map;
import java.util.Scanner;

public class Main {
    public static void main(String[] args) {

        Quiz q=new Quiz();
        q.logic();

    }
}

class Quiz{
    Scanner sc=new Scanner(System.in);
    int correctAnsCount=0;
    int wrongAnsCount=0;
    public void logic(){
        Questions q1 = new Questions(" Which statement is true about Java?",
"A. Java is a sequence-dependent programming language ", "B. Java is a code
dependent programming language ", "C. Java is a platform-dependent
programming language ", "D. Java is a platform-independent programming
language ");
        Questions q2 = new Questions("What is the extension of java code
files?", " A. .txt", "B. .pdf", "C. .sql", "D. .java");
        Questions q3 = new Questions("Who invented Java Programming? ", "A.
Guido van Rossum", "B. James Gosling", "C. Dennis Ritchie", "D. Bjarne
Stroustrup");
        Questions q4 = new Questions("Which one of the following is not a
Java feature?", "A. Object-oriented", "B. Use of pointers", "C. Portable",
"D. Dynamic and Extensible");
        Questions q5 = new Questions("Which of these cannot be used for a
variable name in Java?", "A. identifier & keyword", "B. identifier", "C.
Keyword", "D. none of the mentioned");

        Map<Questions,Character> hmap=new HashMap<>();
        hmap.put(q1,'D');
        hmap.put(q2,'D');
        hmap.put(q3,'B');
        hmap.put(q4,'B');
        hmap.put(q5,'C');

        for (Map.Entry<Questions,Character> map:hmap.entrySet()) {
            System.out.println(map.getKey().getQuestion());
            System.out.println(map.getKey().getOption1());
            System.out.println(map.getKey().getOption2());
            System.out.println(map.getKey().getOption3());
            System.out.println(map.getKey().getOption4());

            System.out.println("Enter Your Answer: ");
            Character ans=sc.next().charAt(0);

            int cans=Character.compare(ans,map.getValue());

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        if(cans==0){
            System.out.println("Correct");
            correctAnsCount++;
        }
        else{
            System.out.println("Wrong");
            wrongAnsCount++;
        }
    }

    System.out.println();
    System.out.println("-----Result-----");
    System.out.println("Total Questions: "+hmap.size());
    System.out.println("Correct Answered Questions : "+correctAnsCount);
    System.out.println("Wrong Answered Questions : "+wrongAnsCount);
    int percentage=(100*correctAnsCount)/hmap.size();
    System.out.println("Percentage : "+percentage);
    if (percentage>95) {
        System.out.println("Performance : Very Good");
    }
    else if (percentage<35) {
        System.out.println("Performance : Very Low");
    }
    else{
        System.out.println("Performance : Medium");
    }
}
}

```