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import static java.lang.System.out;
import java.util.*;

public class StuTest
{
    private static Scanner keyboard = new Scanner(System.in);

    public static void main(String[] args)
    {
        int[][] testScores; // [students][tests]
        String[] stuNames;

        testScores = createArray();
        out.println(testScores.length + " student(s) took " +
            testScores[0].length + " test(s).\n");

        stuNames = new String[testScores.length];
        populateNames(stuNames);

        //populateTestScores(stuNames, testScores);

        printStudentReport(stuNames, testScores);
        printTestReport(stuNames, testScores);
    }

    public static int[][] createArray()
    {
        /* Random rand = new Random();
        int students = rand.nextInt(5) + 1;
        int tests = rand.nextInt(4) + 1;
        return new int[students][tests];
        */
        int[][] temp =
        {
            {99, 90, 40},
            {87, 85, 100},
            {77, 79, 85},
            {88, 90, 84}
        };
        return temp;
    }

    public static void populateNames(String[] names)
    {
        for(int i = 0; i<names.length; i++)
        {
            out.print("Enter student " + (i+1) + " name: ");
            names[i] = keyboard.next();
        }
    }

    // Code your 3 methods below...
    public static void printStudentReport(String[] names, int[][]scores)
    {
        System.out.println("There are " + scores.length + " students "
            + "and " + scores[0].length + " tests.");
    }

    code your 3 methods below
}
}
```

SAMPLE OUTPUT 1:

5 student(s) took 2 test(s).

Enter student 1 name: Fred  
Enter student 2 name: Sue  
Enter student 3 name: Ed  
Enter student 4 name: Mary  
Enter student 5 name: Tom

Entering scores for Fred:  
Enter score for test #1: 78  
Enter score for test #2: 80

Entering scores for Sue:  
Enter score for test #1: 91  
Enter score for test #2: 94

Entering scores for Ed:  
Enter score for test #1: 65  
Enter score for test #2: 90

Entering scores for Mary:  
Enter score for test #1: 100  
Enter score for test #2: 98

Entering scores for Tom:  
Enter score for test #1: 93  
Enter score for test #2: 87

*Method 1*  
\* STUDENT REPORT

Scores for Fred:  
Test #1: 78  
Test #2: 80  
Average for Fred: 79.0

Scores for Sue:  
Test #1: 91  
Test #2: 94  
Average for Sue: 92.5

Scores for Ed:  
Test #1: 65  
Test #2: 90  
Average for Ed: 77.5

Scores for Mary:  
Test #1: 100  
Test #2: 98  
Average for Mary: 99.0

Scores for Tom:  
Test #1: 93  
Test #2: 87  
Average for Tom: 90.0

*Method 2*  
\* TEST REPORT

Scores for test1:  
Fred: 78  
Sue: 91  
Ed: 65  
Mary: 100  
Tom: 93

Test #1 average: 85.4  
Scores for test2:  
Fred: 80  
Sue: 94  
Ed: 90  
Mary: 98  
Tom: 87  
Test #2 average: 89.8

SAMPLE OUTPUT 2:

2 student(s) took 4 test(s).

Enter student 1 name: Jane  
Enter student 2 name: John

Entering scores for Jane:  
Enter score for test #1: 95  
Enter score for test #2: 92  
Enter score for test #3: 90  
Enter score for test #4: 100

Entering scores for John:  
Enter score for test #1: 89  
Enter score for test #2: 90  
Enter score for test #3: 86  
Enter score for test #4: 97

*Method 3*  
STUDENT REPORT

Scores for Jane:  
Test #1: 95  
Test #2: 92  
Test #3: 90  
Test #4: 100  
Average for Jane: 94.25

Scores for John:  
Test #1: 89  
Test #2: 90  
Test #3: 86  
Test #4: 97  
Average for John: 90.5

TEST REPORT

Scores for test1:  
Jane: 95  
John: 89  
Test #1 average: 92.0  
Scores for test2:  
Jane: 92  
John: 90  
Test #2 average: 91.0  
Scores for test3:  
Jane: 90  
John: 86  
Test #3 average: 88.0  
Scores for test4:  
Jane: 100  
John: 97  
Test #4 average: 98.5