Java Basic

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Exercise 1: Sum of Two Numbers

Description:

Write a Java application that reads an integer n representing the number of data lines. Each of the next n lines contains two integers. The program should output the sum of the two integers on each line.

Input:

- 1. The first line contains a single integer n $(1 \le n \le 100)$.
- 2. The next n lines each contain two integers a and b $(-10^9 \le a, b \le 10^9)$, separated by space.

Output:

3. For each line, print the sum of the two integers.

Example Input:	Output:
3	3
1 2	5
2 3	7
3.4	

Sample:

```
// --VARIABLES - @STUDENT: DECLARE YOUR VARIABLES HERE:
String[] lines;
int n;
String result = "";
```

- n: Number commands
- lines: value of n commands
- result: save result of ouput

```
41
            public void read() {
 42
     豆
                try (Scanner sc = new Scanner(new File(fi))) {
 43
                    // -- END FIXED PART--
 44
 45
                    // INPUT - @STUDENT: ADD YOUR CODE FOR INPUT HERE:
 46
                    n = Integer.parseInt(sc.nextLine());
 47
                    lines = new String[n];
 48
 49
                    for (int i = 0; i < n; i++) {
 50
                        lines[i] = sc.nextLine();
 51
 52
 53
 54
                    // --FIXED PART - DO NOT EDIT ANY THINGS HERE--
 55
                    // --START FIXED PART--
 56
                    sc.close();
                } catch (FileNotFoundException ex) {
 57
                    System.out.println("Input Exception # " + ex);
 58
 59
 60
 70
     口
            public void solve() {
 71
                // -- END FIXED PART-
 72
                // ALGORITHM - @STUDENT: ADD YOUR CODE FOR OUTPUT HERE:
 73
                for (int i = 0; i < n; i++){
 74
                    String ele[] = lines[i].split(" ");
 75
                    int a = Integer.parseInt(ele[0]);
 76
                    int b = Integer.parseInt(ele[1]);
 77
 78
 79
                    result += (a + b) + "\n";
  9
 81
 82
                // --FIXED PART - DO NOT EDIT ANY THINGS HERE--
                // --START FIXED PART--
 83
 84
 OO
            public void printResult() {
 89
 90
                try {
                    FileWriter fw = new FileWriter(fo);
 92
                    // --END FIXED PART-
 93
                    // OUTPUT - @STUDENT: ADD YOUR CODE FOR OUTPUT HERE:
 94
                    fw.write(result);
 95
 96
                    // --FIXED PART - DO NOT EDIT ANY THINGS HERE--
 97
                    // --START FIXED PART--
98
                    fw.flush();
99
                    fw.close();
100
                } catch (IOException ex) {
101
102
                    System.out.println("Output Exception # " + ex);
103
104
```

Exercise 2: Check Even or Odd

Description:

Given n integers, determine if each number is even or odd.

Input:	Odd Even
5	Odd -
3	Even Odd
4 7	odd
10	
11	
Output:	

Exercise 3: Sum Until Zero

Description:

Read integers continuously until a 0 is entered. Output the total sum of all entered numbers except 0.

Use try-catch to skip invalid (non-integer) inputs.

Example Input:		
	Output:	
5		
abc	Total sum: 15	
7	Total Sulli. 13	
3		
0		