Status	Finished
Started	Sunday, 6 October 2024, 11:54 AM
Completed	Sunday, 6 October 2024, 12:16 PM
Duration	21 mins 55 secs

Question **1**

Correct

Marked out of 5.00

Write a program to find whether the given input number is Odd.

If the given number is odd, the program should return 2 else It should return 1.

Note: The number passed to the program can either be negative. positive or zero. Zero should NOT be treated as Odd.

For example:

Input	Result
123	2
456	1

Answer: (penalty regime: 0 %)

```java
1  import java.util.Scanner;
2
3  public class OddEvenChecker {
4
5      public static void main(String[] args) {
6          Scanner sc = new Scanner(System.in);
7
8          int a = sc.nextInt();
9
10         if (a % 2 == 0) {
11             System.out.println(1); // Even
12         } else {
13             System.out.println(2); // Odd
14         }
15
16         sc.close();
17     }
18 }
```

	Input	Expected	Got	
✓	123	2	2	✓
✓	456	1	1	✓

Passed all tests! ✓

Question **2**

Correct

Marked out of 5.00

Write a program that returns the last digit of the given number. Last digit is being referred to the least significant digit i.e. the digit in the ones (units) place in the given number.

The last digit should be returned as a positive number.

For example,

if the given number is 197, the last digit is 7

if the given number is -197, the last digit is 7

For example:

Input	Result
197	7
-197	7

Answer: (penalty regime: 0 %)

```java
import java.util.Scanner;

public class LastDigit {

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        int a = sc.nextInt();

        // Convert to absolute value if negative
        if (a < 0) {
            a = -a;
        }

        // Print the last digit
        System.out.println( + (a % 10));

        // Close the scanner
        sc.close();
    }
}
```

	Input	Expected	Got	
✓	197	7	7	✓
✓	-197	7	7	✓

Passed all tests! ✓

Question **3**

Correct

Marked out of 5.00

Rohit wants to add the last digits of two given numbers.

For example,

If the given numbers are 267 and 154, the output should be 11.

Below is the explanation:

Last digit of the 267 is 7

Last digit of the 154 is 4

Sum of 7 and 4 = 11

Write a program to help Rohit achieve this for any given two numbers.

Note: Tile sign of the input numbers should be ignored.

i.e.

if the input numbers are 267 and 154, the sum of last two digits should be 11

if the input numbers are 267 and -154, the slim of last two digits should be 11

if the input numbers are -267 and 154, the sum of last two digits should be 11

if the input numbers are -267 and -154, the sum of last two digits should be 11

For example:

Input	Result
267 154	11
267 -154	11
-267 154	11
-267 -154	11

Answer: (penalty regime: 0 %)

```java
1  import java.util.Scanner;
2
3  public class LastDigitSum {
4
5      public static void main(String[] args) {
6          Scanner sc = new Scanner(System.in);
7
8          // Prompt the user for input
9
10         int a = sc.nextInt();
11
12
13         int b = sc.nextInt();
14
15         // Convert to absolute values
16         if (a < 0) {
17             a = -a;
18         }
19
20         if (b < 0) {
21             b = -b;
22         }
23
24         // Calculate the sum of the last digits
25         int sumOfLastDigits = (a % 10) + (b % 10);
26         System.out.println( + sumOfLastDigits);
27
28         // Close the scanner
29         sc.close();
```

```
30 |     }
31 |}
```

	Input	Expected	Got	
✓	267 154	11	11	✓
✓	267 -154	11	11	✓
✓	-267 154	11	11	✓
✓	-267 -154	11	11	✓

Passed all tests! ✓

◄ Lab-01-MCQ

Jump to...

Is Even? ►