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|                  |                                      |
|------------------|--------------------------------------|
| <b>Status</b>    | Finished                             |
| <b>Started</b>   | Saturday, 21 September 2024, 1:44 PM |
| <b>Completed</b> | Saturday, 21 September 2024, 2:06 PM |
| <b>Duration</b>  | 21 mins 48 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 %)

```

1 import java.util.*;
2 public class Odd{
3     public static void main(String[] arg){
4         Scanner S = new Scanner(System.in);
5         int n=S.nextInt();
6         if(n%2!=0){
7             System.out.println("2");
8         }
9         else{
10            System.out.println("1");
11        }
12    }
13 }
```

|   | 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 %)

```

1 import java.util.*;
2 import java.lang.Math;
3 public class digit{
4     public static void main(String[]args){
5         Scanner S = new Scanner(System.in);
6         int n = S.nextInt();
7         n=Math.abs(n%10);
8         System.out.println(n);
9     }
10 }
```

|   | 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 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

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

**For example:**

| Input        | Result |
|--------------|--------|
| 267<br>154   | 11     |
| 267<br>-154  | 11     |
| -267<br>154  | 11     |
| -267<br>-154 | 11     |

**Answer:** (penalty regime: 0 %)

```
1 import java.util.*;
2 import java.lang.Math;
3 public class Sum{
4     public static void main(String[]args){
5         Scanner S = new Scanner(System.in);
6         int a = S.nextInt();
7         int b = S.nextInt();
8         a = Math.abs(a%10);
9         b = Math.abs(b%10);
10        int Sum = a+b;
11        System.out.println(Sum);
12    }
13 }
```

|   | Input        | Expected | Got |   |
|---|--------------|----------|-----|---|
| ✓ | 267<br>154   | 11       | 11  | ✓ |
| ✓ | 267<br>-154  | 11       | 11  | ✓ |
| ✓ | -267<br>154  | 11       | 11  | ✓ |
| ✓ | -267<br>-154 | 11       | 11  | ✓ |

Passed all tests! ✓

◀ Lab-01-MCQ

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Is Even? ▶