CS23333-Object Oriented Programming Using Java-2023

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Status	Finished
Started	Friday, 20 September 2024, 8:49 PM
Completed	Friday, 20 September 2024, 9:10 PM
Duration	20 mins 46 secs

Question 1
Correct
Marked out of 5.00
⚑ Flag question

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.Scanner;
2  public class Oddeven
3  {
4  public static void main(String args[])
5  {
6  Scanner o=new Scanner(System.in);
7  int num=o.nextInt();
8  if(num%2==0)
9  {
10   System.out.println(1);
11  }
12  else
13  {
14   System.out.println(2);
15  }
16  }
17  }
18
19
```

Input	Expected	Got	
123	2	2	
456	1	1	

Passed all tests!

Question 2
Correct
Marked out of 5.00
⚑ Flag question

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  public class Lastdigit
3  {
4      public static void main(String args[])
5      {
6          Scanner o=new Scanner(System.in);
7          int num,a;
8          num=o.nextInt();
9          if(num>0)
10         {
11             System.out.println(num%10);
12         }
13         else
14         {
15             a=num*-1;
16             System.out.println(a%10);
17         }
18     }
19  }
20 }
```

Input	Expected	Got	
197	7	7	
-197	7	7	

Passed all tests!

Question 3
Correct
Marked out of 5.00
⚑ Flag question

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.

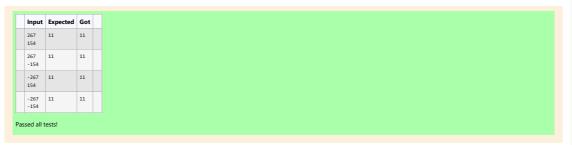Note: Tile sign of the input numbers should be ignored.

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
import java.util.*;
public class Lastnumber
{
    public static void main(String args[])
    {
        Scanner a=new Scanner(System.in);
        int b=a.nextInt();
        int c=a.nextInt();
        int d,e;
        if(b>0 && c>0)
        {
            d=b%10;
            e=c%10;
            System.out.println(d+e);
        }
        else if(b>0 &&c<0)
        {
            d=b%10;
            e=(c*-1)%10;
            System.out.println(d+e);
        }
        else if(b<0 && c>0)
        {
            d=(b*-1)%10;
            e=c%10;
            System.out.println(d+e);

        }
        else
        {
            d=(b*-1)%10;
            e=(c*-1)%10;
            System.out.println(d+e);

        }


    }
}
```

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

Passed all tests!

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