talent sprint   **Scoremore:** Assessment - Java

Problem Statement

Define a method which returns the sum of three rounded numbers. If the right most digit of the number is less than 5, then round off it's value to the previous multiple of 10 otherwise if the right most digit of the number is greater or equal to 5, then round off to the next multiple of 10.

Write the method with the following specifications:

Name of method sumOfRoundedValues() // which accepts three integer value as argument and return the sum of three rounded numbers.

Example

if a = 23, b = 34, c = 66

   20 + 30 + 70 = 120

if a = 23, b = 37, c = 55

   20 + 40 + 60 = 120

Arguments: three argument of type integer

Return Type: an integer value

Specifications: The value returned by the method sumOfRoundedValues() is determined by the following rules:

if any of the given number is negative or zero, return -1.

if any of the given numbers right most digit is of the number is lessthan 5, then round off it's value to the previous multiple of 10 otherwise if the right most digit of the number is greater or equal to 5, then round off to the next multiple of 10.

Read the steps below carefully before you start

1. Download the skeleton code provided *(RoundedSum.java)*

2. In the downloaded file, add your code in the placeholder - "ADD YOUR CODE HERE"

3. To write code, you can use editors such as Eclipse, Notepad, GEdit, VIM etc

4. Compile your code

5. Check the output and upload the source file i.e., .java file

Follow the below steps to upload the file

1. click on 'Select a file' button. Locate and select the .java file *(RoundSum.java)* you want to upload. Ensure that you select the correct file as only one file can be uploaded. In case you selected the wrong file, refresh the page before proceeding to next step.

2. Now the button 'Upload **RoundedSum.java** will be displayed'. Click this button to upload

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File uploaded RoundedSum.java

Your solution has been successfully submitted.

Your score is 10

Comment: Congratulations! Your code has compiled with no errors.

TestCase: sumOfRoundedNums2, Grade: Passed, Score: 2 out of 2, Message: Checking for sum of rounded values, right digit is equal to 5

TestCase: sumOfRoundedNums3, Grade: Passed, Score: 2 out of 2, Message: Checking for sum of rounded values, right digit is 0

TestCase: isZero, Grade: Passed, Score: 1 out of 1, Message: Checking for zero value as input

TestCase: isNegative, Grade: Passed, Score: 1 out of 1, Message: Checking for negative value as input

TestCase: sumOfRoundedNums, Grade: Passed, Score: 2 out of 2, Message: Checking sum of rounded values, right digit greater than 5

TestCase: sumOfRoundedNums1, Grade: Passed, Score: 2 out of 2, Message: Checking for sum of rounded values, right digit is less then 5

Attempt 1 of 10

Try Again.

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