Scoremore: Assessment - Java

Define a method which accepts the date of birth in the form of string and return the lucky number.

Note: Ensure the input is an valid date.

Explanation:

Lucky number is sum of digits of the given date, till the sum is converted to single digit.

For Date 27-JUL-2010, First convert the given date in the form of 27-7-2010 then,

lucky number is calculated as:

2 + 7 + 7 + 2 + 0 + 1 + 0 = 19

1 + 9 = 10

1 + 0 = 1

Output : 1

Write the methods with the following specifications:

Name of method convertMMMtoMM() // which accept an month in string and return an integer indicating the month number

Arguments: One argument of type String

Return Type: an integer value

For Example:

Input: Mar / MAR / MARCH / March / MaRcH

Output: 3

Name of method getSumOfDigits() // which accepts an integer value as argument return a sum of digits of the given integer value.

Arguments: One argument of type integer value

Return Type: an integer value

For Example:

Input: 123

Output: 6

Input: 5678

Output: 8

Name of method getLuckyNumber() // which accepts an string, indicating the date of birth, return the lucky number.

Arguments: One argument of type string value

Return Type: an integer value

For Example:

Input: 15-March-2016

Output: 9

Input: 15-Jan-2016

Output: 7

Input: 15-NOV-2016
Output: 8

Download the skeleton code provided (***FindLuckyNumber.java***)

Read the steps below carefully before you start

1. Download the skeleton code provided *(**FindLuckyNumber.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 *(**FindLuckyNumber.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 **FindLuckyNumber.java**' will be displayed. Click this button to upload.

File uploaded FindLuckyNumber.java

Your solution has been successfully submitted.

Your score is 7

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

TestCase: convertMonth, Grade: Passed, Score: 3 out of 3, Message: Converting month MMM to MM

TestCase: getLuckyNum, Grade: Passed, Score: 4 out of 4, Message: Calculating lucky nummber

TestCase: checkGetSum, Grade: Failed, Score: 0 out of 3, Message: Calculating sum of digits of an number