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/*****
*
*      File: TwoNumbersTester.java
*
*      Project:  TwoNumbers
*
*      Description:  This program is to test the class methods of the program
*                   TwoNumbers.
*
*      Author:  Joshua Wiley
*
*      Date:  2-15-15
*
*      Comments:  Specs were a little hard to follow. It wasn't clear what the
*                Test program did until part three.
*
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```

public class TwoNumbersTester
{
    /*** Class method ***/

    public void startNumberTester()
    {
        /*** Local Spacing variables ***/

        String space = "          ";

        TwoNumbers twonumber1 = new TwoNumbers( 10, 15);
        TwoNumbers twonumber2 = new TwoNumbers( 100, 200);

        /*** Add ***/

        System.out.println( "\n" );
        System.out.println( space + "Start Two Number Test \n");
        System.out.println( space + "Adds two numbers");

        System.out.println();
        System.out.println( space + twonumber1.getNum1() + " + "
                               + twonumber1.getNum2() + " = "
                               + twonumber1.getSum() );
        System.out.println();

        System.out.println( space + twonumber2.getNum1() + " + "
                               + twonumber2.getNum2() + " = "
                               + twonumber2.getSum() );
        System.out.println("\n");

        /*** Testing alternate numbers first instance ***/

        System.out.println( space + "Adds alternate numbers");

        twonumber1.setNums( 50, 60 ); //Sets alternate numbers

        System.out.println();
        System.out.println( space + twonumber1.getNum1() + " + "
                               + twonumber1.getNum2() + " = "
                               + twonumber1.getSum() );
        System.out.println("\n");
    }
}

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    /*** Difference ***/

    System.out.println( space + "Subtracts two numbers");

    System.out.println();
    System.out.println( space + twonumber1.getNum1() + " - "
        + twonumber1.getNum2() + " = "
        + twonumber1.getDifference() );
    System.out.println();

    System.out.println( space + twonumber2.getNum1() + " - "
        + twonumber2.getNum2() + " = "
        + twonumber2.getDifference() );
    System.out.println("\n");

    /*** Product ***/

    System.out.println( space + "Multiplies two numbers");

    System.out.println();
    System.out.println( space + twonumber1.getNum1() + " * "
        + twonumber1.getNum2() + " = "
        + twonumber1.getProduct() );
    System.out.println();

    System.out.println( space + twonumber2.getNum1() + " * "
        + twonumber2.getNum2() + " = "
        + twonumber2.getProduct() );
    System.out.println("\n");

    /*** Quotient ***/

    System.out.println( space + "Divides two numbers");

    System.out.println();
    System.out.println( space + twonumber1.getNum1() + " / "
        + twonumber1.getNum2() + " = "
        + twonumber1.getQuotient() );
    System.out.println();

    System.out.println( space + twonumber2.getNum1() + " / "
        + twonumber2.getNum2() + " = "
        + twonumber2.getQuotient() );
    System.out.println("\n");

    /*** Average ***/

    System.out.println( space + "Average of two numbers");

    System.out.println();
    System.out.println( space + "( " + twonumber1.getNum1() + " + "
        + twonumber1.getNum2() + " ) / 2" + " = "
        + twonumber1.getAverage() );
    System.out.println();

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        System.out.println( space + "( " + twonumber2.getNum1() + " + "
                               + twonumber2.getNum2() + " ) / 2" + " = "
                               + twonumber2.getAverage() );
        System.out.println("\n");
    }

    /** Application */

    public static void main( String[] args )
    {
        TwoNumbersTester test = new TwoNumbersTester();
        test.startNumberTester();
    }
}
```