MATH CLASS

//this class is handling my calculations

**package** com.example.calculator;

**public** **class** Math {

// set as string because we need to display on screen

**public** String operation(String input1, String operator, String input2)

{

**if** (operator.equals("+"))

{

**return** add(input1, input2);

} // end if

**if** (operator.equals("-"))

{

**return** subtract(input1, input2);

} // end if

**if** (operator.equals("\*"))

{

**return** multiply(input1, input2);

} // end if

**if** (operator.equals("/"))

{

**return** divide(input1, input2);

} // end if

**return** "null";// if error is made return "Null"

}// end public

// Separate functions within the business class "Math"

//encapsulated functions

**private** String add(String input1, String input2)

{

// the "parse" converting both inputs to doubles in order to do math with inputs

// returning the results as a single string

// must return as String so it will display

**return** String.*valueOf*((Double.*parseDouble*(input1) + (Double

.*parseDouble*(input2))));

}

////////////////////////////////

**private** String posNeg(String input1, String input2)

{

**return** String.*valueOf*((-1\*Double.*parseDouble*(input1) + (-1\*Double

.*parseDouble*(input2))));

}

///////////////////////////////

**private** String subtract(String input1, String input2)

{

**return** String.*valueOf*((Double.*parseDouble*(input1) - (Double

.*parseDouble*(input2))));

}

**private** String multiply(String input1, String input2)

{

**return** String.*valueOf*((Double.*parseDouble*(input1) \* (Double

.*parseDouble*(input2))));

}//end

**private** String divide(String input1, String input2)

{

**if** (Double.*parseDouble*(input1) == 0

|| (Double.*parseDouble*(input2) == 0))

{

**return** "NAN";

}

**return** String.*valueOf*((Double.*parseDouble*(input1) / (Double

.*parseDouble*(input2))));

}//end

}//end public class Math