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Pruebas de Junit y funcionamiento con otros grupos

Pruebas de Junit de la calculadora y stack:

The screenshot shows the IntelliJ IDEA interface with the `GuatemalanCalculatorTest.java` file open. The code includes JUnit annotations and a `validateText` method. The Run window at the bottom shows that the tests passed successfully.

```
1  <h1>GuatemalanCalculatorTest</h1>
2  * Junit tests for the Guatemalan Calculator methods.
3  * <p>
4  *
5  * @author Sebastian Gonzales (tabufellin) Pablo Ruiz (PingMaster99)
6  * @version 1.0
7  * @since 2020-02-04
8  */
9
10 public class GuatemalanCalculatorTest {
11
12     /**
13      * These tests check the stack methods by using GuatemalanCalculator
14      * method results, and comparing with expected values.
15      */
16     @org.junit.Test
17     public void validateText() {
18         GuatemalanCalculator instance = new GuatemalanCalculator();
19         instance.validateText("3 3 +");
20         assertEquals(true, instance.validateText("3 3 +"));
21     }
22
23     @org.junit.Test
24     // ... other test methods ...
25 }
```

Run: GuatemalanCalculatorTest

Test	Duration
GuatemalanCalculatorTest	31 ms
calculate	0 ms
validateText	0 ms
importText	31 ms

Tests passed: 3 of 3 tests - 31 ms

Process finished with exit code 0

The screenshot shows the IntelliJ IDEA interface with the `QuetzalStackTest.java` file open. The code includes JUnit annotations and a `push` method. The Run window at the bottom shows that the tests passed successfully.

```
1  import org.junit.Test;
2  import static org.junit.Assert.assertEquals;
3
4  <h1>QuetzalStackTest</h1>
5  * Junit tests for the stack methods.
6  * <p>
7  *
8  * @author Sebastian Gonzales (tabufellin) Pablo Ruiz (PingMaster99)
9  * @version 1.0
10 * @since 2020-02-04
11 */
12
13 public class QuetzalStackTest {
14
15     /**
16      * These tests check the stack methods by using QuetzalStack
17      * method results, and comparing them with expected values.
18      */
19     @Test
20     public void push() {
21         QuetzalStack<Integer> instance = new QuetzalStack<>();
22         instance.push(99);
23         int x = instance.peek();
24         assertEquals(99, x);
25     }
26
27     // ... other test methods ...
28 }
```

Run: QuetzalStackTest

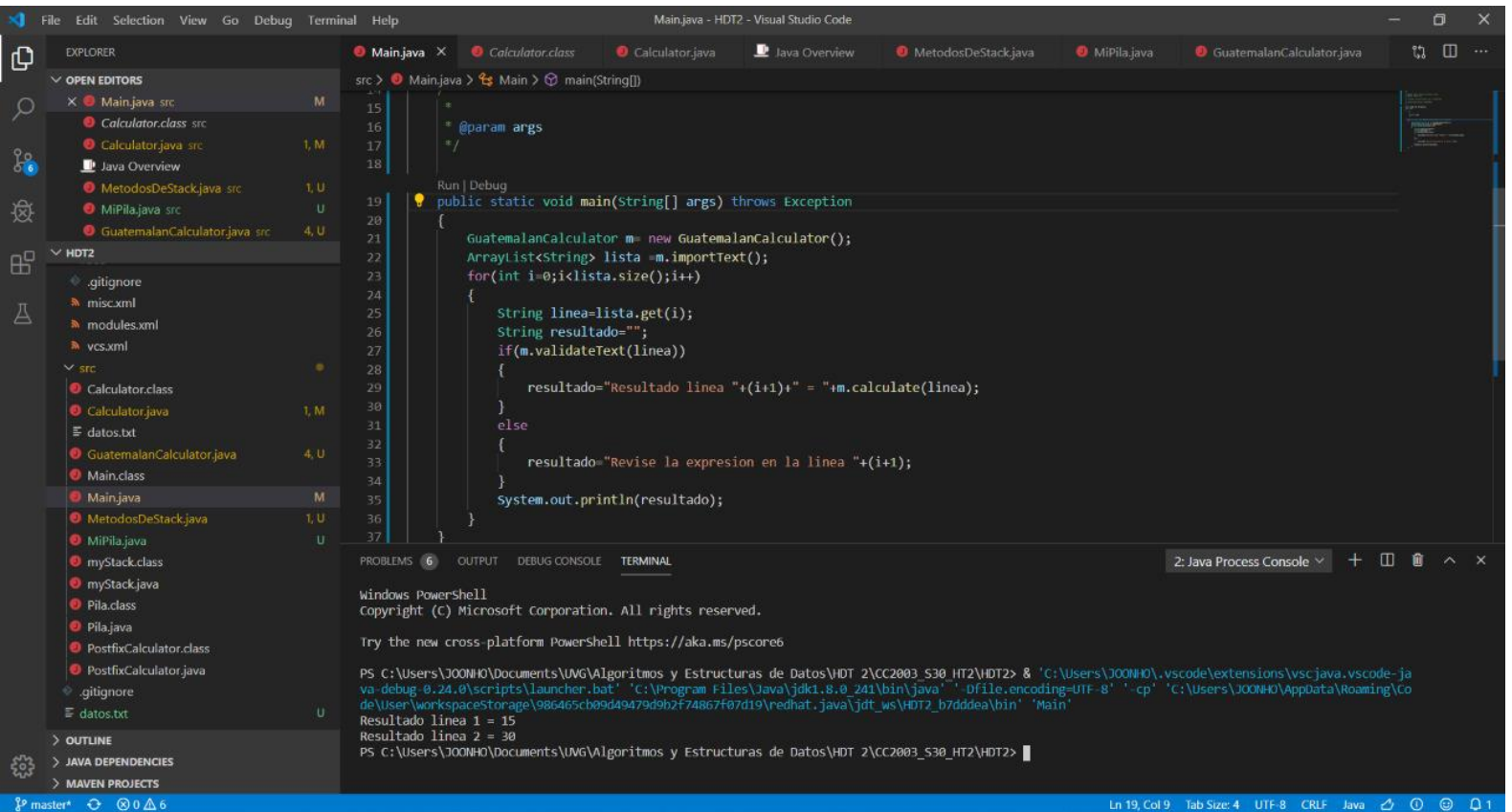
Test	Duration
QuetzalStackTest	0 ms
pop	0 ms
peek	0 ms
push	0 ms
size	0 ms
empty	0 ms

Tests passed: 5 of 5 tests - 0 ms

Process finished with exit code 0

Funcionamiento con otros grupos

Main de Joonho y Pablo con nuestros métodos:



```
src > Main.java > Main > main(String[] args)
15
16 *
17 * @param args
18 */
19
20 Run | Debug
21 public static void main(String[] args) throws Exception
22 {
23     GuatemalanCalculator m= new GuatemalanCalculator();
24     ArrayList<String> lista =m.importText();
25     for(int i=0;i<lista.size();i++)
26     {
27         String linea=lista.get(i);
28         String resultado="";
29         if(m.validateText(linea))
30         {
31             resultado="Resultado linea "+(i+1)+" = "+m.calculate(linea);
32         }
33         else
34         {
35             resultado="Revise la expresion en la linea "+(i+1);
36         }
37         System.out.println(resultado);
38     }
39 }
```

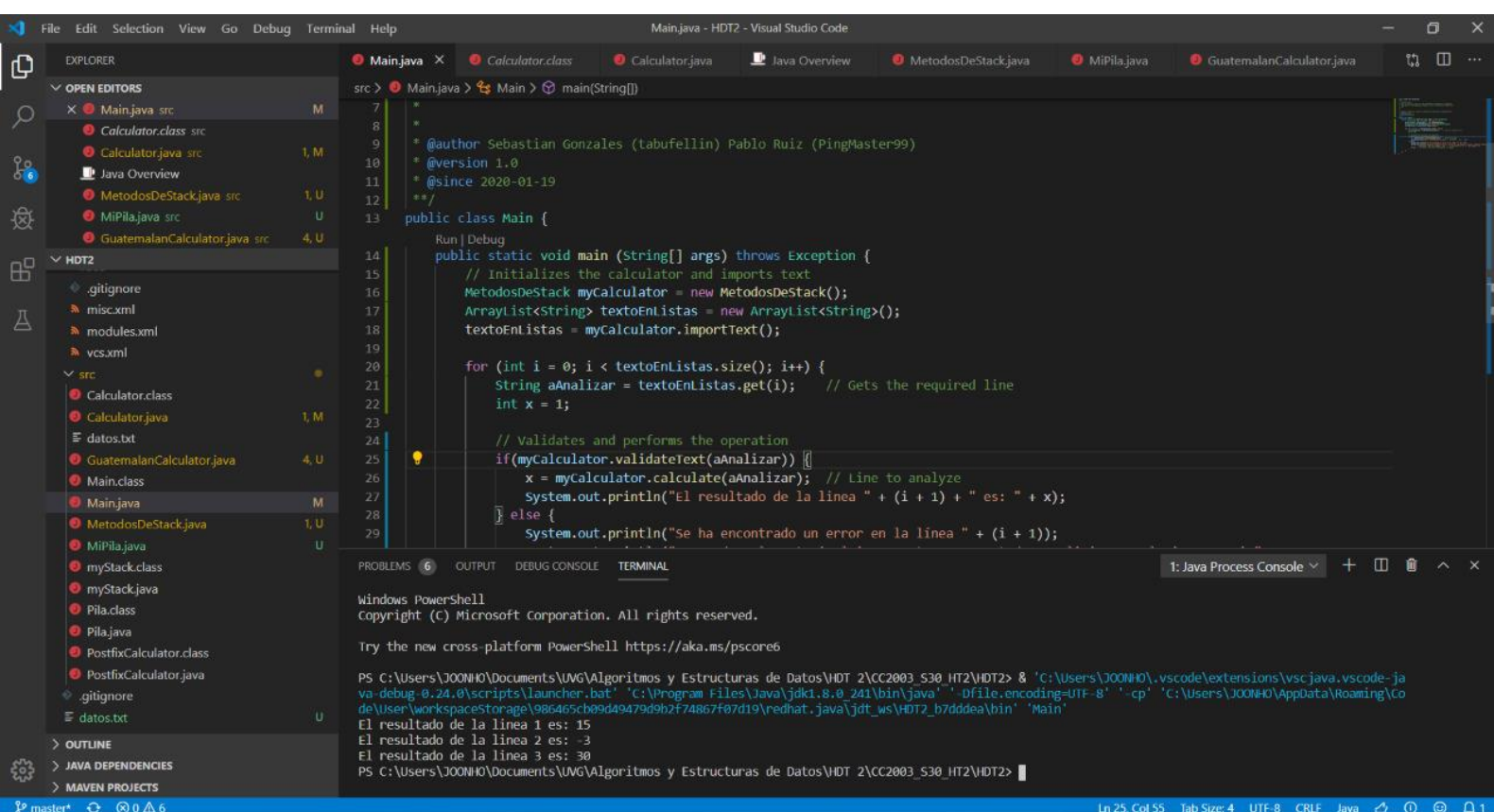
Windows PowerShell
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PS C:\Users\JOONHO\Documents\UVG\Algoritmos y Estructuras de Datos\HDT 2\CC2003_530_HT2\HDT2> & 'C:\Users\JOONHO\.vscode\extensions\vscjava.vscode-java-debug-0.24.0\scripts\launcher.bat' 'C:\Program Files\Java\jdk1.8.0_241\bin\java' '-Dfile.encoding=UTF-8' '-cp' 'C:\Users\JOONHO\AppData\Roaming\Code\User\workspaceStorage\986465cb99d49479d9b2f74867f07d19\redhat.java\jdt_ws\HDT2_b7dddea\bin' 'Main'

Resultado linea 1 = 15
Resultado linea 2 = 30
PS C:\Users\JOONHO\Documents\UVG\Algoritmos y Estructuras de Datos\HDT 2\CC2003_530_HT2\HDT2>

Main nuestro con métodos de Joonho y Pablo:



```
src > Main.java > Main > main(String[] args)
7
8 *
9 * @author Sebastian Gonzales (tabufellin) Pablo Ruiz (PingMaster99)
10 * @version 1.0
11 * @since 2020-01-19
12 **/
13 public class Main {
14
15     Run | Debug
16     public static void main (String[] args) throws Exception {
17         // Initializes the calculator and imports text
18         MetodosDeStack myCalculator = new MetodosDeStack();
19         ArrayList<String> textoEnListas = new ArrayList<String>();
20         textoEnListas = myCalculator.importText();
21
22         for (int i = 0; i < textoEnListas.size(); i++) {
23             String aAnalizar = textoEnListas.get(i); // Gets the required line
24             int x = 1;
25
26             // Validates and performs the operation
27             if(myCalculator.validateText(aAnalizar)) {
28                 x = myCalculator.calculate(aAnalizar); // Line to analyze
29                 System.out.println("El resultado de la linea " + (i + 1) + " es: " + x);
30             } else {
31                 System.out.println("Se ha encontrado un error en la linea " + (i + 1));
32             }
33         }
34     }
35 }
```

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PS C:\Users\JOONHO\Documents\UVG\Algoritmos y Estructuras de Datos\HDT 2\CC2003_530_HT2\HDT2> & 'C:\Users\JOONHO\.vscode\extensions\vscjava.vscode-java-debug-0.24.0\scripts\launcher.bat' 'C:\Program Files\Java\jdk1.8.0_241\bin\java' '-Dfile.encoding=UTF-8' '-cp' 'C:\Users\JOONHO\AppData\Roaming\Code\User\workspaceStorage\986465cb99d49479d9b2f74867f07d19\redhat.java\jdt_ws\HDT2_b7dddea\bin' 'Main'

El resultado de la linea 1 es: 15
El resultado de la linea 2 es: 3
El resultado de la linea 3 es: 30
PS C:\Users\JOONHO\Documents\UVG\Algoritmos y Estructuras de Datos\HDT 2\CC2003_530_HT2\HDT2>