

Prueba exitosa:

The screenshot shows the Eclipse IDE with the following components:

- Top Bar:** Java - Diccionario/src/TreeTest.java - Eclipse
- Menu Bar:** File, Edit, Source, Refactor, Navigate, Search, Project, Run, Window, Help
- Toolbar:** Standard Eclipse development tools.
- Left Panel:**
 - TreeTest:** Shows test results: Runs: 2/2, Errors: 0, Failures: 0. A list of tests: testAdd (0.010 s) and testSearch (0.003 s).
 - Failure Trace:** Empty.
- Editor:** TreeTest.java with the following code:

```
1 import static org.junit.Assert.*;
2
3
4
5
6 public class TreeTest {
7
8     @Test
9     public void testAdd() {
10         Tree<String> arbol= new Tree<String>();
11         arbol.add(arbol.getRoot(), "Hello", "Hola");
12         Nodo<?> a = arbol.getRoot();
13         String b = a.getPalabraEspanola();
14         String c = a.getPalabraInglesa();
15         b.equals("Hola");
16         c.equals("Hello");
17     }
18
19     @Test
20     public void testSearch() {
21         Tree<String> arbol= new Tree<String>();
22         arbol.add(arbol.getRoot(), "Hello", "Hola");
23         String palabra="Hello";
24         arbol.setTraduccion("");
25         arbol.search(arbol.getRoot(), palabra);
26         if(((String) arbol.getTraduccion()).equalsIgnoreCase(""))
27             assertEquals(0,10,0); //Desigualdad si no se cumple
28         else
29             assertEquals(0,0,0);
30     }
31 }
32
33
```
- Right Panel:** Outline view showing TreeTest with methods testAdd(): void and testSearch(): void.
- Bottom Panel:** Console view showing the output:

```
<terminated> TreeTest [JUnit] C:\Program Files (x86)\Java\jre1.8.0_60\bin\javaw.exe (Sep 10, 2015, 7:49:42 PM)
Agregando RAI2 Hello, Hola
Agregando RAI2 Hello, Hola
```

Prueba fallida:

The screenshot shows the Eclipse IDE with the following components:

- Top Bar:** Java - Diccionario/src/TreeTest.java - Eclipse
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- Toolbar:** Standard Eclipse development tools.
- Left Panel:**
 - JUnit View:** Shows test results for TreeTest. It indicates 2 failures. The failure trace shows: `org.junit.ComparisonFailure: B expected:<[B]> but was: [C]` at `TreeTest.testAdd(TreeTest.java:15)`.
 - Outline View:** Shows the class structure of TreeTest with methods `testAdd(): void` and `testSearch(): void`.
- Editor:** Displays the source code of TreeTest.java. The code is as follows:

```
1 import static org.junit.Assert.*;
2
3
4
5
6 public class TreeTest {
7
8     @Test
9     public void testAdd() {
10         Tree<String> arbol= new Tree<String>();
11         arbol.add(arbol.getRoot(), "C", "B");
12         Nodo<?> a = arbol.getRoot();
13         String b = a.getPalabraEspanola();
14         String c = a.getPalabraInglesa();
15         assertEquals("B",b,"");
16         assertEquals("C",c,"");
17     }
18
19     @Test
20     public void testSearch() {
21         Tree<String> arbol= new Tree<String>();
22         arbol.add(arbol.getRoot(), "Hello", "Hola");
23         String palabra="Hello";
24         arbol.setTraduccion("");
25         arbol.search(arbol.getRoot(), palabra);
26         if(((String) arbol.getTraduccion()).equalsIgnoreCase(""))
27             assertEquals(0,0,0); //Desigualdad si no se cumple
28         else
29             assertEquals(0,10,0);
30     }
31
32
33 }
```
- Bottom Panel:**
 - Console View:** Shows the output of the test run: `<terminated> TreeTest [JUnit] C:\Program Files (x86)\Java\jre1.8.0_60\bin\javaw.exe (Sep 10, 2015, 7:58:55 PM)`, `Agregando RAIZ C, B`, and `Agregando RAIZ Hello, Hola`.