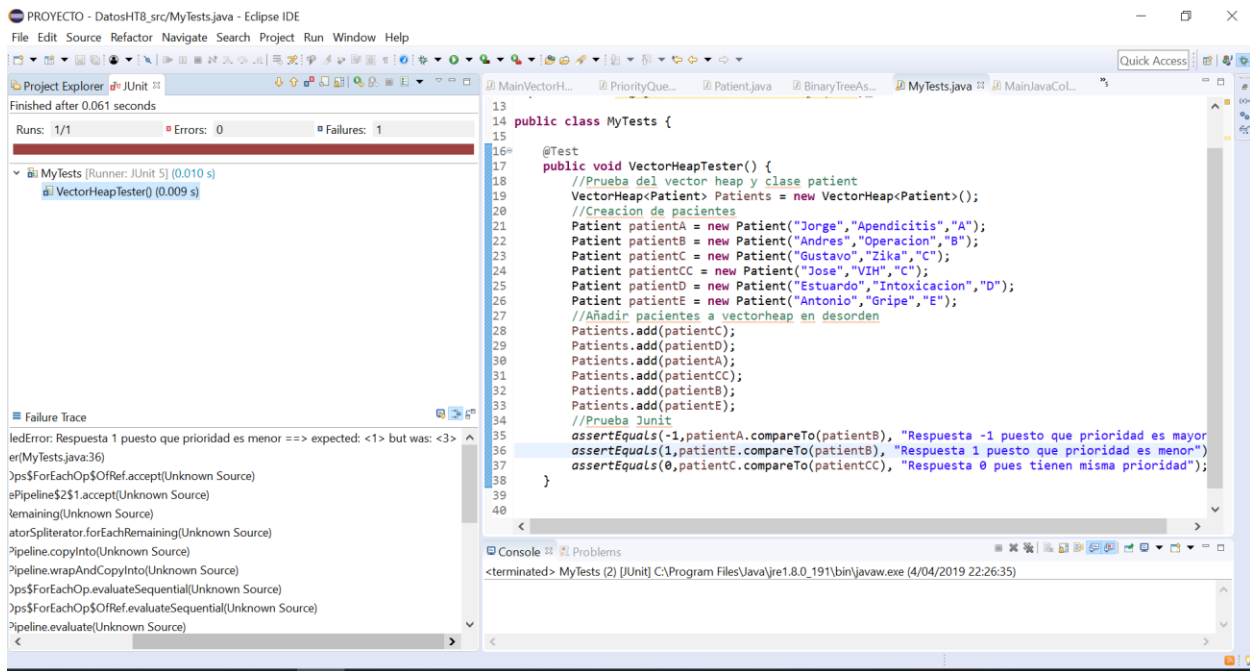
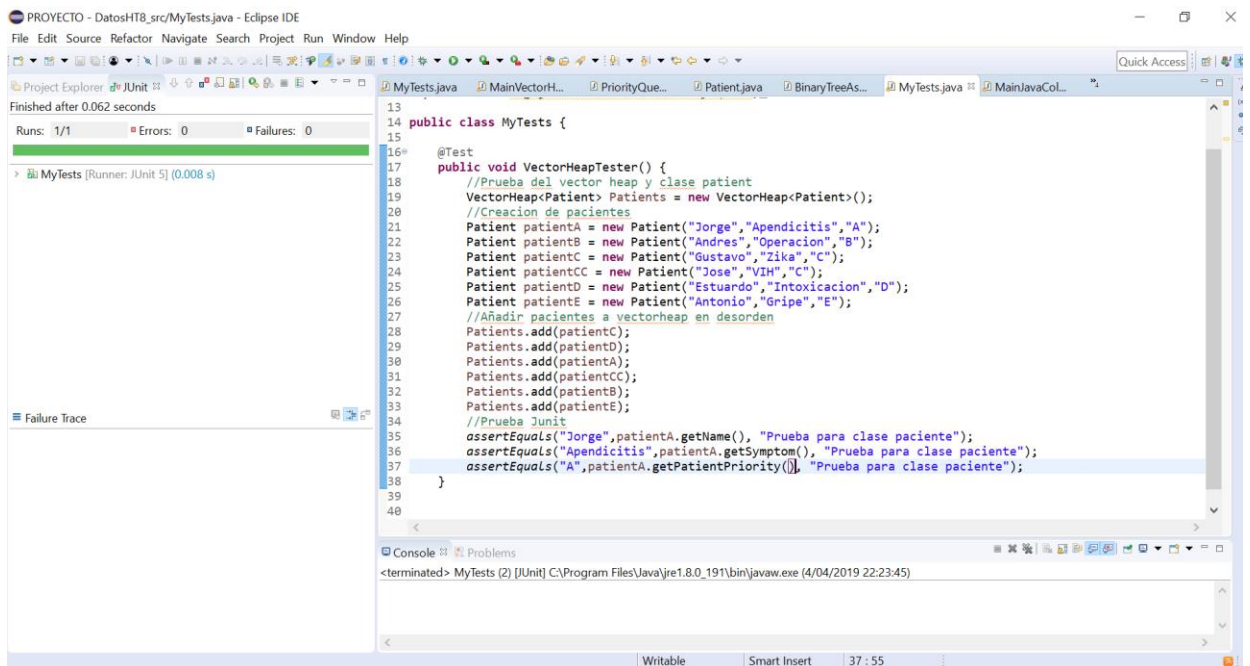


## Pruebas JUNIT

Error en implementacion de comparable puesto que solo debía devolver 1, 0 o -1. Después no fue necesario puesto que compara si es menor a 0.



## Prueba para clase paciente



## Prueba tamaño vector

The screenshot shows the Eclipse IDE with the following components:

- Project Explorer:** Shows the project structure with 'MyTests.java' selected.
- JUnit Runner:** Displays 'MyTests (Runner: JUnit 5) (0.000 s)' with 'Runs: 1/1', 'Errors: 0', and 'Failures: 0'.
- Code Editor:** Contains the following Java code:

```
13
14 public class MyTests {
15
16     @Test
17     public void VectorHeapTester() {
18         //Prueba del vector heap y clase patient
19         VectorHeap<Patient> Patients = new VectorHeap<Patient>();
20         //Creacion de pacientes
21         Patient patientA = new Patient("Jorge", "Apendicitis", "A");
22         Patient patientB = new Patient("Andres", "Operacion", "B");
23         Patient patientC = new Patient("Gustavo", "Zika", "C");
24         Patient patientCC = new Patient("Jose", "VIH", "C");
25         Patient patientD = new Patient("Estuardo", "Intoxicacion", "D");
26         Patient patientE = new Patient("Antonio", "Gripe", "E");
27         //Añadir pacientes a vectorheap en desorden
28         Patients.add(patientC);
29         Patients.add(patientD);
30         Patients.add(patientA);
31         Patients.add(patientCC);
32         Patients.add(patientB);
33         Patients.add(patientE);
34         //Prueba JUnit
35         assertEquals(6, Patients.size(), "Respuesta 6 tamaño de vector");
36     }
37
38
39
40 }
```
- Console:** Shows the output: '<terminated> MyTests (2) [JUnit] C:\Program Files\Java\jre1.8.0\_191\bin\javaw.exe (4/04/2019 22:31:40)'.

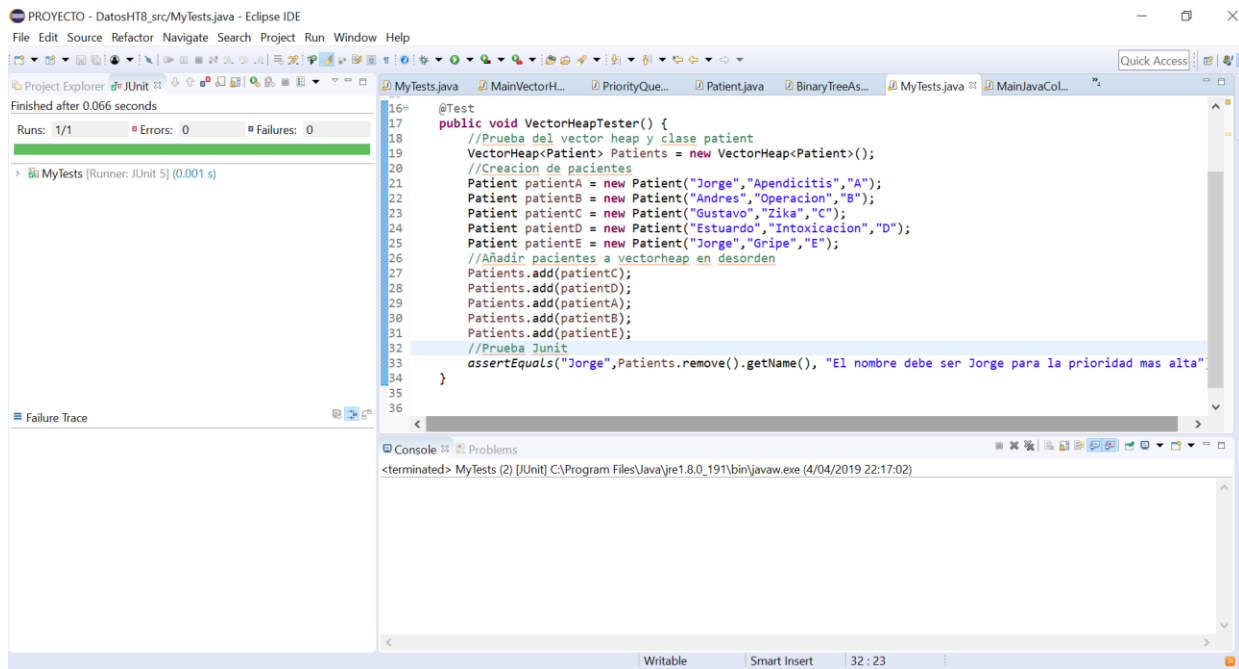
## Prueba is empty vectorheap

The screenshot shows the Eclipse IDE with the following components:

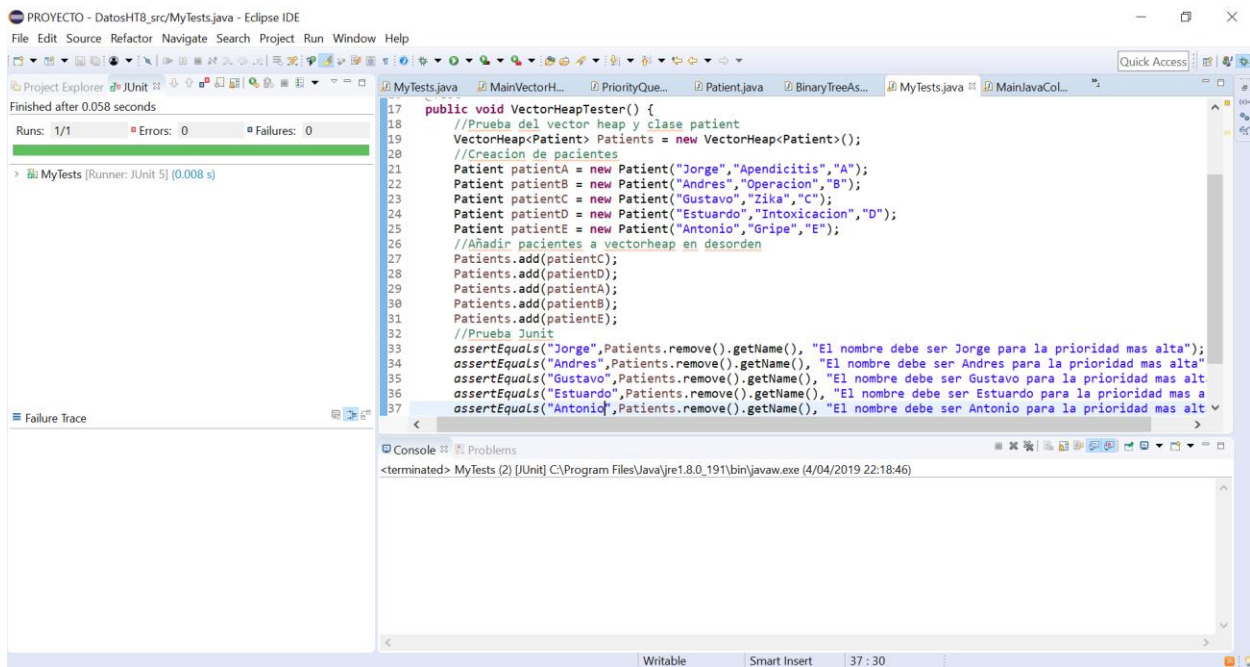
- Project Explorer:** Shows the project structure with 'MyTests.java' selected.
- JUnit Runner:** Displays 'MyTests (Runner: JUnit 5) (0.019 s)' with 'Runs: 1/1', 'Errors: 0', and 'Failures: 0'.
- Code Editor:** Contains the following Java code:

```
13
14 public class MyTests {
15
16     @Test
17     public void VectorHeapTester() {
18         //Prueba del vector heap y clase patient
19         VectorHeap<Patient> Patients = new VectorHeap<Patient>();
20         //Creacion de pacientes
21         Patient patientA = new Patient("Jorge", "Apendicitis", "A");
22         Patient patientB = new Patient("Andres", "Operacion", "B");
23         Patient patientC = new Patient("Gustavo", "Zika", "C");
24         Patient patientCC = new Patient("Jose", "VIH", "C");
25         Patient patientD = new Patient("Estuardo", "Intoxicacion", "D");
26         Patient patientE = new Patient("Antonio", "Gripe", "E");
27         //Prueba JUnit
28         assertEquals(true, Patients.isEmpty(), "Respuesta true esta vacio");
29         //Añadir pacientes a vectorheap en desorden
30         Patients.add(patientC);
31         Patients.add(patientD);
32         Patients.add(patientA);
33         Patients.add(patientCC);
34         Patients.add(patientB);
35         Patients.add(patientE);
36     }
37
38
39
40 }
```
- Console:** Shows the output: '<terminated> MyTests (2) [JUnit] C:\Program Files\Java\jre1.8.0\_191\bin\javaw.exe (4/04/2019 22:32:31)'.

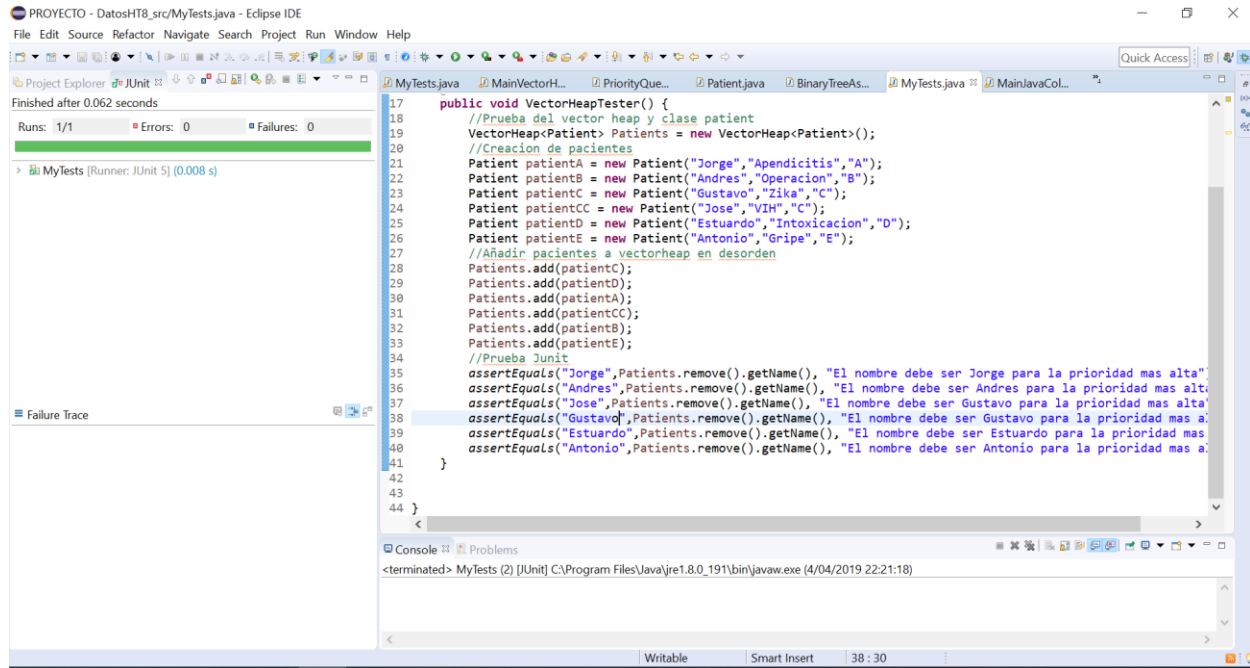
## Verificar prioridad máxima



## Prueba de prioridad para todos los valores de prioridad



## Prueba de prioridad cuando existen 2 con la misma prioridad



The screenshot shows the Eclipse IDE interface. The main editor displays the `MyTests.java` file, which contains a `VectorHeapTester` class. The class is designed to test a `VectorHeap` data structure. It creates five `Patient` objects with the following attributes: (Jorge, Apendicitis, A), (Andres, Operacion, B), (Gustavo, Zika, C), (Jose, VIH, C), and (Estuardo, Intoxicacion, D). These patients are added to a `VectorHeap` in the order they were created. The test then removes elements from the heap and asserts that they are removed in the order of their priority (A, B, C, C, D). The comments in the code indicate the expected names for each removal step.

```
17 public void VectorHeapTester() {
18     //Prueba del vector heap y clase patient
19     VectorHeap<Patient> Patients = new VectorHeap<Patient>();
20     //Creacion de pacientes
21     Patient patientA = new Patient("Jorge", "Apendicitis", "A");
22     Patient patientB = new Patient("Andres", "Operacion", "B");
23     Patient patientC = new Patient("Gustavo", "Zika", "C");
24     Patient patientCC = new Patient("Jose", "VIH", "C");
25     Patient patientD = new Patient("Estuardo", "Intoxicacion", "D");
26     Patient patientE = new Patient("Antonio", "Gripe", "E");
27     //Añadir pacientes a vectorheap en desorden
28     Patients.add(patientC);
29     Patients.add(patientD);
30     Patients.add(patientA);
31     Patients.add(patientCC);
32     Patients.add(patientB);
33     Patients.add(patientE);
34     //Prueba JUnit
35     assertEquals("Jorge", Patients.remove().getName(), "El nombre debe ser Jorge para la prioridad mas alta");
36     assertEquals("Andres", Patients.remove().getName(), "El nombre debe ser Andres para la prioridad mas alta");
37     assertEquals("Jose", Patients.remove().getName(), "El nombre debe ser Gustavo para la prioridad mas alta");
38     assertEquals("Gustavo", Patients.remove().getName(), "El nombre debe ser Gustavo para la prioridad mas alta");
39     assertEquals("Estuardo", Patients.remove().getName(), "El nombre debe ser Estuardo para la prioridad mas alta");
40     assertEquals("Antonio", Patients.remove().getName(), "El nombre debe ser Antonio para la prioridad mas alta");
41 }
42
43
44 }
```

The left sidebar shows the `JUnit` test runner. It indicates that the test was finished after 0.062 seconds, with 1/1 runs, 0 errors, and 0 failures. The `Failure Trace` section is empty.

The bottom console shows the output of the test run, indicating that the test was terminated successfully.

```
<terminated> MyTests (2) [JUnit] C:\Program Files\Java\jre1.8.0_191\bin\javaw.exe (4/04/2019 22:21:18)
```