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TDD - Test Driven Development

- Segundo teste - **shouldThrowExceptionWithAnInvalidEquation**
 - Instanciar uma equação do segundo grau com parâmetros inválidos
 - Ex: $2x + 3 = 0$
 - Verificar se ocorre o lançamento de uma exceção

Prática no Eclipse



9/13/2023

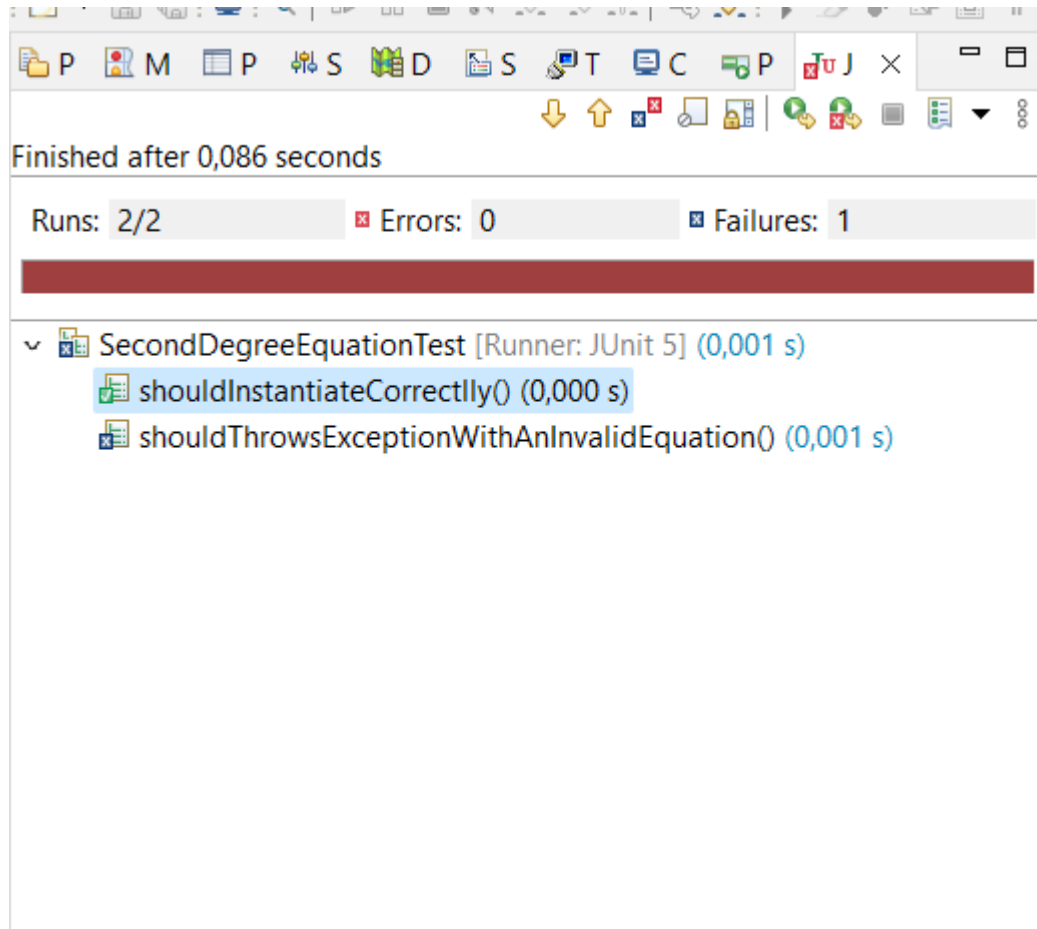
Instancio os parâmetros para validar a exceção conforme exemplo.

[linkPojeta](#)

```
@Test
void shouldThrowExceptionWithAnInvalidEquation()
{
    float a = 2.0f;
    float b = 3.0f;
    float c = 0.0f;

    assertThrows ( InvalidSecondDegreeException.class, () ->
    {
        new SecondDegreeEquation(a,b,c);
    });
}
```

No junit aparece uma falha e cai na exceção



Excecao exibida no console parou bem no throws instanciado para tratá-la

Java Stack Trace Console

```
org.junit.jupiter.api.AssertionFailedError: Expected equation.InvalidSecondDegreeException to be thrown, but nothing was thrown.  
    at org.junit.jupiter.api.AssertionFailureBuilder.build(AssertionFailureBuilder.java:152)  
    at org.junit.jupiter.api.AssertThrows.assertThrows(AssertThrows.java:73)  
    at org.junit.jupiter.api.AssertThrows.assertThrows(AssertThrows.java:35)  
    at org.junit.jupiter.api.Assertions.assertThrows(Assertions.java:3111)  
    at equation.SecondDegreeEquationTest.shouldThrowExceptionWithAnInvalidEquation(SecondDegreeEquationTest.java:42)  
    at java.base/java.lang.reflect.Method.invoke(Method.java:568)  
    at java.base/java.util.ArrayList.forEach(ArrayList.java:1511)  
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