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**- CRIANDO A CLASSE JUNIT**

package br.com.fiap;

import static org.junit.jupiter.api.Assertions.\*;

import org.junit.jupiter.api.Test;

class JulgamentoPrisioneiroTeste {

@Test

void test() {

fail("Not yet implemented");

}

}

**- CONSTRUINDO A CLASSE COM BASE NO ALGORITMO**

package br.com.fiap;

import static org.junit.jupiter.api.Assertions.assertEquals;

import org.junit.jupiter.api.Test;

class JulgamentoPrisioneiroTeste extends JulgamentoPrisioneiro{

@Test

void JulgamentoPrisioneiroTeste() {

int PENA\_INOCENCIA = 0;

int PENA\_CONDENACAO\_MUTUA = 5;

int PENA\_CONDENACAO\_INDIVIDUAL = 10;

int PENA\_CONDENACAO\_CUMPLICES = 1;

JulgamentoPrisioneiro prisioneiro = new JulgamentoPrisioneiro();

int resultadoEsperado = PENA\_CONDENACAO\_MUTUA;

int resultadoReal = prisioneiro.calculaPena("Culpado", "Culpado");

assertEquals(resultadoEsperado, resultadoReal);

}

}

**- ERRO AO TENTAR RODAR OS TESTES, PORQUE O TIPO RESPOSTA DA CLASSE JAVA NÃO FOI CRIADO.**

* **JUNIT**

package br.com.fiap;

import static org.junit.jupiter.api.Assertions.assertEquals;

import org.junit.jupiter.api.Test;

class JulgamentoPrisioneiroTeste extends JulgamentoPrisioneiro{

@Test

void JulgamentoPrisioneiroTeste() {

int PENA\_INOCENCIA = 0;

int PENA\_CONDENACAO\_MUTUA = 5;

int PENA\_CONDENACAO\_INDIVIDUAL = 10;

int PENA\_CONDENACAO\_CUMPLICES = 1;

JulgamentoPrisioneiro prisioneiro = new JulgamentoPrisioneiro();

int resultadoEsperado = PENA\_CONDENACAO\_MUTUA;

int resultadoReal = prisioneiro.calculaPena("Culpado", "Culpado");

assertEquals(resultadoEsperado, resultadoReal);

}

}

* **JAVA**

package br.com.fiap;

public class JulgamentoPrisioneiro {

private int PENA\_INOCENCIA = 10;

private int PENA\_CONDENACAO\_MUTUA = 15;

private int PENA\_CONDENACAO\_INDIVIDUAL = 10;

private int PENA\_CONDENACAO\_CUMPLICES = 11;

public int calculaPena(Resposta respostaPrisioneiroA, Resposta respostaPrisioneiroB) {

if (respostaPrisioneiroA == Resposta.CULPADO) {

if (respostaPrisioneiroB == Resposta.CULPADO) {

return PENA\_CONDENACAO\_MUTUA;

} else {

return PENA\_INOCENCIA;

}

} else {

if (respostaPrisioneiroB == Resposta.CULPADO) {

return PENA\_CONDENACAO\_INDIVIDUAL;

} else {

return PENA\_CONDENACAO\_CUMPLICES;

}

}

}

}**LOG**

org.junit.platform.commons.JUnitException: TestEngine with ID 'junit-jupiter' failed to discover tests

at org.junit.platform.launcher.core.DefaultLauncher.discoverEngineRoot(DefaultLauncher.java:189)

at org.junit.platform.launcher.core.DefaultLauncher.discoverRoot(DefaultLauncher.java:168)

at org.junit.platform.launcher.core.DefaultLauncher.discover(DefaultLauncher.java:124)

at org.eclipse.jdt.internal.junit5.runner.JUnit5TestReference.<init>(JUnit5TestReference.java:46)

at org.eclipse.jdt.internal.junit5.runner.JUnit5TestLoader.createUnfilteredTest(JUnit5TestLoader.java:76)

at org.eclipse.jdt.internal.junit5.runner.JUnit5TestLoader.createTest(JUnit5TestLoader.java:66)

at org.eclipse.jdt.internal.junit5.runner.JUnit5TestLoader.loadTests(JUnit5TestLoader.java:53)

at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.runTests(RemoteTestRunner.java:526)

at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.runTests(RemoteTestRunner.java:770)

at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.run(RemoteTestRunner.java:464)

at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.main(RemoteTestRunner.java:210)

Caused by: org.junit.platform.commons.JUnitException: ClassSelector [className = 'br.com.fiap.JulgamentoPrisioneiroTeste'] resolution failed

at org.junit.platform.launcher.listeners.discovery.AbortOnFailureLauncherDiscoveryListener.selectorProcessed(AbortOnFailureLauncherDiscoveryListener.java:39)

at org.junit.platform.engine.support.discovery.EngineDiscoveryRequestResolution.resolveCompletely(EngineDiscoveryRequestResolution.java:102)

at org.junit.platform.engine.support.discovery.EngineDiscoveryRequestResolution.run(EngineDiscoveryRequestResolution.java:82)

at org.junit.platform.engine.support.discovery.EngineDiscoveryRequestResolver.resolve(EngineDiscoveryRequestResolver.java:113)

at org.junit.jupiter.engine.discovery.DiscoverySelectorResolver.resolveSelectors(DiscoverySelectorResolver.java:45)

at org.junit.jupiter.engine.JupiterTestEngine.discover(JupiterTestEngine.java:69)

at org.junit.platform.launcher.core.DefaultLauncher.discoverEngineRoot(DefaultLauncher.java:181)

... 10 more

Caused by: java.lang.NoClassDefFoundError: Resposta

at java.lang.Class.getDeclaredMethods0(Native Method)

at java.lang.Class.privateGetDeclaredMethods(Class.java:2701)

at java.lang.Class.privateGetPublicMethods(Class.java:2902)

at java.lang.Class.privateGetPublicMethods(Class.java:2917)

at java.lang.Class.getMethods(Class.java:1615)

at org.junit.platform.commons.util.ReflectionUtils.getDefaultMethods(ReflectionUtils.java:1436)

at org.junit.platform.commons.util.ReflectionUtils.getDeclaredMethods(ReflectionUtils.java:1409)

at org.junit.platform.commons.util.ReflectionUtils.findMethod(ReflectionUtils.java:1287)

at org.junit.platform.commons.util.ReflectionUtils.isMethodPresent(ReflectionUtils.java:1188)

at org.junit.jupiter.engine.discovery.predicates.IsTestClassWithTests.hasTestOrTestFactoryOrTestTemplateMethods(IsTestClassWithTests.java:50)

at org.junit.jupiter.engine.discovery.predicates.IsTestClassWithTests.test(IsTestClassWithTests.java:46)

at org.junit.jupiter.engine.discovery.ClassSelectorResolver.resolve(ClassSelectorResolver.java:67)

at org.junit.platform.engine.support.discovery.EngineDiscoveryRequestResolution.lambda$resolve$2(EngineDiscoveryRequestResolution.java:134)

at java.util.stream.ReferencePipeline$3$1.accept(ReferencePipeline.java:193)

at java.util.ArrayList$ArrayListSpliterator.tryAdvance(ArrayList.java:1359)

at java.util.stream.ReferencePipeline.forEachWithCancel(ReferencePipeline.java:126)

at java.util.stream.AbstractPipeline.copyIntoWithCancel(AbstractPipeline.java:499)

at java.util.stream.AbstractPipeline.copyInto(AbstractPipeline.java:486)

at java.util.stream.AbstractPipeline.wrapAndCopyInto(AbstractPipeline.java:472)

at java.util.stream.FindOps$FindOp.evaluateSequential(FindOps.java:152)

at java.util.stream.AbstractPipeline.evaluate(AbstractPipeline.java:234)

at java.util.stream.ReferencePipeline.findFirst(ReferencePipeline.java:464)

at org.junit.platform.engine.support.discovery.EngineDiscoveryRequestResolution.resolve(EngineDiscoveryRequestResolution.java:185)

at org.junit.platform.engine.support.discovery.EngineDiscoveryRequestResolution.resolve(EngineDiscoveryRequestResolution.java:125)

at org.junit.platform.engine.support.discovery.EngineDiscoveryRequestResolution.resolveCompletely(EngineDiscoveryRequestResolution.java:91)

... 15 more

Caused by: java.lang.ClassNotFoundException: Resposta

at java.net.URLClassLoader.findClass(URLClassLoader.java:382)

at java.lang.ClassLoader.loadClass(ClassLoader.java:418)

at sun.misc.Launcher$AppClassLoader.loadClass(Launcher.java:355)

at java.lang.ClassLoader.loadClass(ClassLoader.java:351)

... 40 more

**- CORRIGINDO ERRO CRIANDO UMA ENUN CLASSE RESPOSTA COM ‘CULPADO’ E ‘INOCENTE’**

package br.com.fiap;

public enum Resposta {

CULPADO, INOCENTE

}