# Challenge

1. What is the difference in step 5 and step 10? None.
2. Why we have created 2 **application.properties** files? One manages the application properties for production and one for testing.
3. Create a new method to test a modification for an existing dragon (You will need to create the dragon before you try to modify it)

@Test

public void givenDragon\_whenSave\_thenRename() {

    Dragon dragon = new Dragon(2, "Fafnir");

    dragonRepository.save(dragon);

    Dragon modifyingDragon = dragonRepository.findById(2L).orElse(null);

    modifyingDragon.setName("Quetzalcoatl");

    dragonRepository.save(modifyingDragon);

    Dragon retrievedDragon = dragonRepository.findById(2L).orElse(null);

    assertEquals("Quetzalcoatl", retrievedDragon.getName());

}

1. Create a new method to test the removal of an existing dragon (You will need to create the dragon before you try to remove it it)?

@Test

public void givenDragon\_whenSave\_thenDelete() {

    Dragon dragon = new Dragon(2, "Smaug");

    dragonRepository.save(dragon);

    dragonRepository.deleteById(2L);

    Dragon retrievedDragon = dragonRepository.findById(2L).orElse(null);

    assertNull(retrievedDragon);

}

1. Why we are not mocking the Dragon Repository?

Because we are working on top of the actual database.

**GitHub link:** <https://github.com/GerardoSoftwareQualityAndTesting/Lab-4.git>