

# Testing Enhancements

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**Granular**

**Runners**

**Java 8+**

**Rewrite**

**Vintage**

# 4 VS 5

## JUnit 4

**@Before**

**@After**

**@BeforeClass**

**@AfterClass**

**@Ignore**

## JUnit 5

**@BeforeEach**

**@AfterEach**

**@BeforeAll**

**@AfterAll**

**@Disabled**

# Exceptions

@Test

```
public void testException() throws Exception {  
    Assertions.assertThrows(Exception.class, () -> {  
        throw new Exception("Test exceptions");  
    });  
}
```

# Assertions

```
@Test
public void numbersShouldEqualTest() {
    Assertions.assertTrue(
        4 == 2 + 2,
        () -> "Numbers 4 and 2 + 2 are equal!");
}
```

# Assumptions

```
@Test
public void testOnProd() {
    System.setProperty("ENV", "PROD");
    Assumptions.assumingThat("DEV".equals(System.getProperty("ENV")),
        () -> {
            Assertions.assertTrue(false);
        });
}
```

# ExtendWith

```
@ExtendWith(SpringExtension.class)
```

```
@SpringBootTest
```

```
public class TesterRunnerTests
```

# Summary

**4 vs 5**

**Exceptions**

**Assertions**

**Assumptions**

**ExtendWith**