

Java példa Előfeltételek

- Visual Studio Code
- JDK

```
java -version
```

- Extension pack for Java
- Maven

Lépések

- View → Command Palette: Create Java Project / Maven / maven-archetype-quickstart / version: 1.4 (legújabb), groupId: hu.example

artifactId: junit-demo

- pom.xml

```
<properties>
  <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
  <maven.compiler.source>21</maven.compiler.source>
  <maven.compiler.target>21</maven.compiler.target>
</properties>

<dependencies>
<dependency>
  <groupId>org.junit.jupiter</groupId>
  <artifactId>junit-jupiter</artifactId>
  <version>5.11.1</version>
  <scope>test</scope>
</dependency>
</dependencies>
```

- futtasd a maven tesztet

```
mvn clean test
```

- bal oldalt az Explorerben jobb klikk a src/main/java mappán / New File / név: Calculator.java

```
public class Calculator {

    public int add(int a, int b) {
        return a + b;
    }
}
```

- src/test/java mappában létrehozunk hozzá egy: CalculatorTest.java

```
package hu.example;
import org.junit.jupiter.api.Test;

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

```
class CalculatorTest {  
  
    @Test  
    void addTwoNumbers() {  
        Calculator calculator = new Calculator();  
  
        int result = calculator.add(2, 3);  
  
        assertEquals(5, result);  
    }  
}
```

A teljes project:

teljes project

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