import org.junit.jupiter.params.ParameterizedTest;

import org.junit.jupiter.params.provider.\*;

import java.time.Month;

import java.util.stream.Stream;

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

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

public class ArgumentSourceDemo {

// Using @ValueSource to provide simple values

@ParameterizedTest

@ValueSource(ints = {1, 2, 3})

void testValueSource(int number) {

assertTrue(number > 0 && number < 4);

}

// Using @EnumSource to provide values from an enum

@ParameterizedTest

@EnumSource(Month.class)

void testEnumSource(Month month) {

assertNotNull(month);

}

// Using @MethodSource to provide arguments from a method

static Stream<String> stringProvider() {

return Stream.of("hello", "world");

}

@ParameterizedTest

@MethodSource("stringProvider")

void testMethodSource(String str) {

assertTrue(str.length() > 0);

}

// Using @CsvSource to provide comma-separated values

@ParameterizedTest

@CsvSource({"apple, 5", "banana, 6", "cherry, 6"})

void testCsvSource(String fruit, int length) {

assertTrue(fruit.length() > 0);

assertTrue(length > 0);

}

// Using @CsvFileSource to read values from a CSV file (not shown here, but the approach is similar)

}