// ArgumentConversionDemoTest.java

import org.junit.jupiter.api.Test;

import org.junit.jupiter.params.ParameterizedTest;

import org.junit.jupiter.params.converter.ConvertWith;

import org.junit.jupiter.params.provider.ValueSource;

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

public class ArgumentConversionDemoTest {

@Test

void regularEnumTest() {

assertEquals(ColorEnum.RED, ColorEnum.RED);

}

@ParameterizedTest

@ValueSource(strings = {"RED", "GREEN", "BLUE"})

void testWithConvertedEnum(@ConvertWith(ColorEnumConverter.class) ColorEnum colorEnum) {

switch (colorEnum) {

case RED:

assertEquals(ColorEnum.RED, colorEnum);

break;

case GREEN:

assertEquals(ColorEnum.GREEN, colorEnum);

break;

case BLUE:

assertEquals(ColorEnum.BLUE, colorEnum);

break;

default:

throw new IllegalArgumentException("Unexpected value: " + colorEnum);

}

}

}