**Exercise 5.9: Parameterized Test with JUnit**

**CODE:**

**MathUtils Class: -**

package org.example;  
  
public class MathUtils {  
 public static boolean isEven(int number) {  
 return number%2==0;  
 }  
}

**MathUtilsTest Class: -**

package org.example;  
import org.junit.jupiter.params.ParameterizedTest;  
import org.junit.jupiter.params.provider.ValueSource;  
import static org.junit.jupiter.api.Assertions.*assertFalse*;  
import static org.junit.jupiter.api.Assertions.*assertTrue*;  
  
public class MathUtilsTest {  
  
 @ParameterizedTest  
 @ValueSource(ints={2, 4, 6, 8, 10})  
 public void testIsEven\_WithEvenNumbers(int number){  
 *assertTrue*(MathUtils.*isEven*(number),number+" should be even");  
 System.*out*.println(number+" is even");  
 }  
  
 @ParameterizedTest  
 @ValueSource(ints={1, 3, 5, 7, 9})  
 public void testIsEven\_WithOddNumbers(int number){  
 *assertFalse*(MathUtils.*isEven*(number),number+" should be odd");  
 System.*out*.println(number+" is odd");  
 }  
}

**OUTPUT:**

