4. JUnit program that demonstrates how to use assumptions:

import org.junit.\*;

import static org.junit.Assume.\*;

public class AssumptionTest {

@Test

public void testOne() {

// This test should run on Windows only

assumeTrue(System.getProperty("os.name").startsWith("Windows"));

Assert.assertEquals(2 + 2, 4);

}

@Test

public void testTwo() {

// This test should run on Linux only

assumeTrue(System.getProperty("os.name").startsWith("Linux"));

Assert.assertEquals(2 \* 2, 5);

}

@Test

public void testThree() {

// This test should always run

Assert.assertTrue(true);

}

}