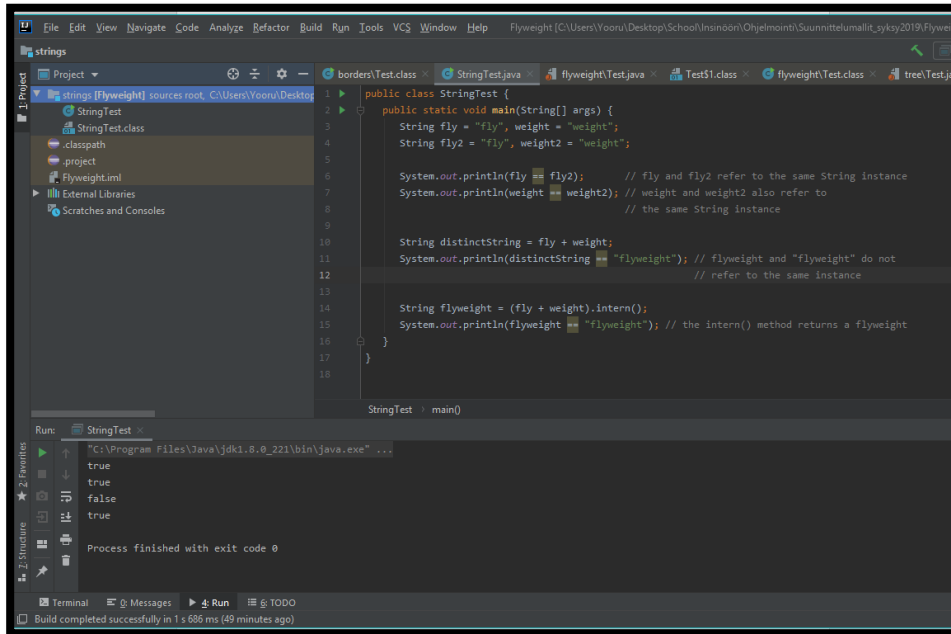


FLYWEIGHT

String



Vertailut 1&2

fly == fly2 ja weight == weight2 palauttavat vertailussa **true**, koska:

kummatkin sisältävät referenssin samaan String objektiin.

Vertailu 3

distinctString == "flyweight" palauttaa **false**, koska:

distinctString on koostettu suorituksenaikana kahdesta eri String objektista eli sisältää viittauksen kahteen eri String objektiin.

Vertailu 4

Flyweight == "flyweight" palauttaa **true**, koska:

flyweight muutetaan Java Stringin intern() operaattorilla yhdeksi samaksi merkkijonoksi. Eli Intern() referöi **flyweight** parametrin String-poolista löytyvään String olioon jolla on sama arvo kuin **flyweightillä**.

intern

```
public String intern()
```

Returns a canonical representation for the string object.

A pool of strings, initially empty, is maintained privately by the class String.

When the intern method is invoked, if the pool already contains a string equal to this String object as determined by the `equals(Object)` method, then the string from the pool is returned. Otherwise, this String object is added to the pool and a reference to this String object is returned.

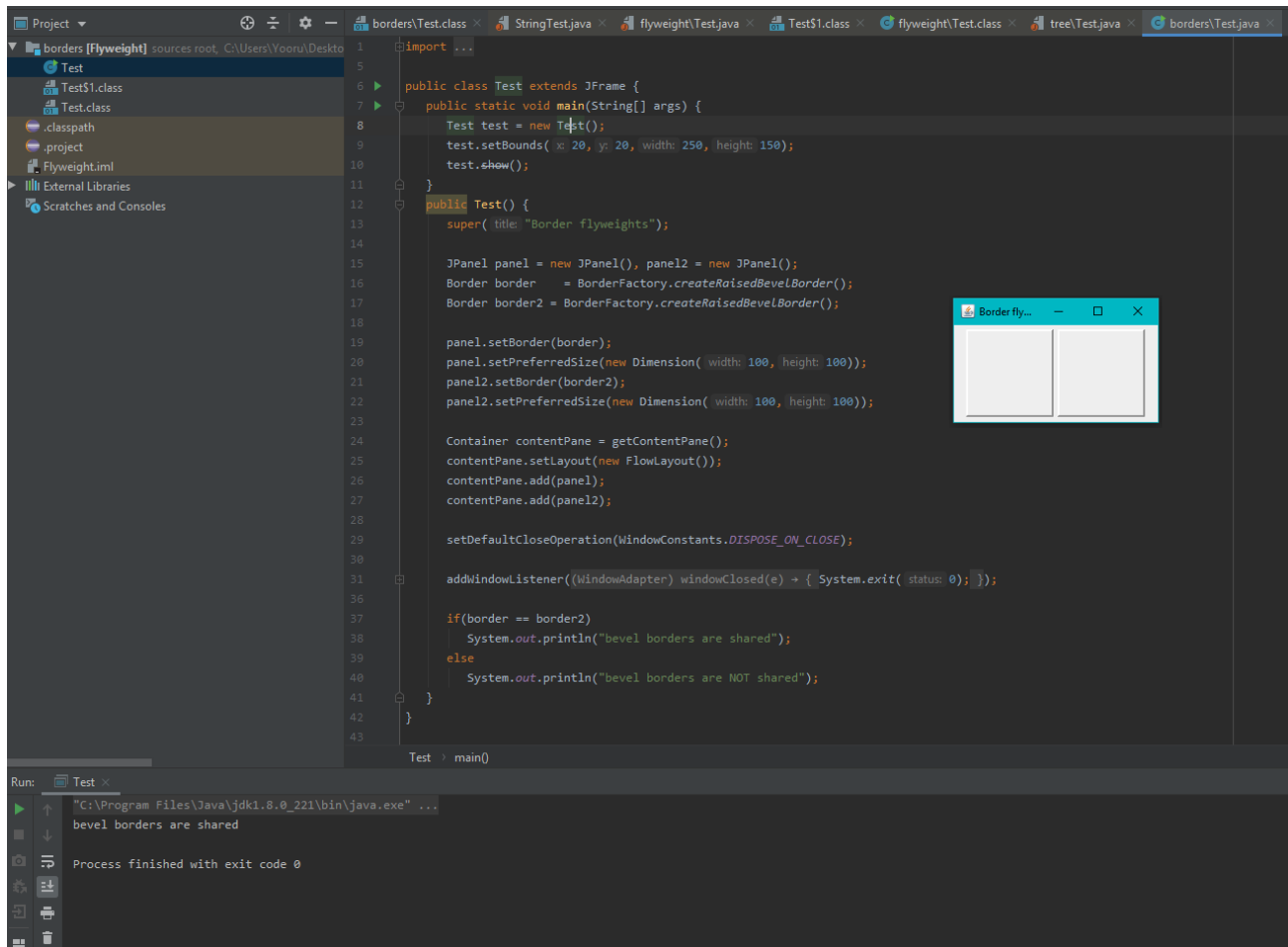
It follows that for any two strings `s` and `t`, `s.intern() == t.intern()` is true if and only if `s.equals(t)` is true.

All literal strings and string-valued constant expressions are interned. String literals are defined in §3.10.5 of the [Java Language Specification](#)

Returns:

a string that has the same contents as this string, but is guaranteed to be from a pool of unique strings.

Border



Border testissä huomattiin, että javan swingin border kirjaston `BorderFactory` käyttää flyweight-mallia. `BorderFactory` ei luo uusia bordereita, jos on jo olemassa saman **tyyppinen** bevel borderi → se käyttää sitä.

Paneelin koon muuttaminen ei vaikuta lopputulokseen.

javax.swing

Class `BorderFactory`

java.lang.Object
javax.swing.BorderFactory

```
public class BorderFactory
extends Object
```

Factory class for vending standard `Border` objects. Wherever possible, this factory will hand out references to shared `Border` instances. For further information and examples see [How to Use Borders](#), a section in *The Java Tutorial*.

Kuva 2 `javax.swing.BorderFactory`