

The background of the slide is a colorful, impressionistic painting of a rural landscape. It features a winding river in the foreground, a large field of yellow flowers, and several houses with various roof colors (red, grey, yellow) in the middle ground. The sky is a mix of blue and green, suggesting a bright, sunny day. The style is reminiscent of Van Gogh's 'Olive Trees with Yellow Sky and Sea' or similar Impressionist works.

# J08 Nested Classes

Nested classes

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A class may be defined within another class. Such a class is called a nested class. The main motivation for nested classes is to improve encapsulation and clarity.

- **Static nested classes** (use `static` keyword) behave as if declared elsewhere, but happen to be packaged together in a single file, cannot refer directly to instance fields of parent
- **Inner classes** (non-static) has direct access to the instance fields and members of its enclosing class.

# Anonymous Inner Classes

An instance of an inner class implementing a specified interface can be created without defining the inner class:

```
comp = new Comparable<String>() {  
    Public int compareTo(String other) { ... };  
};
```