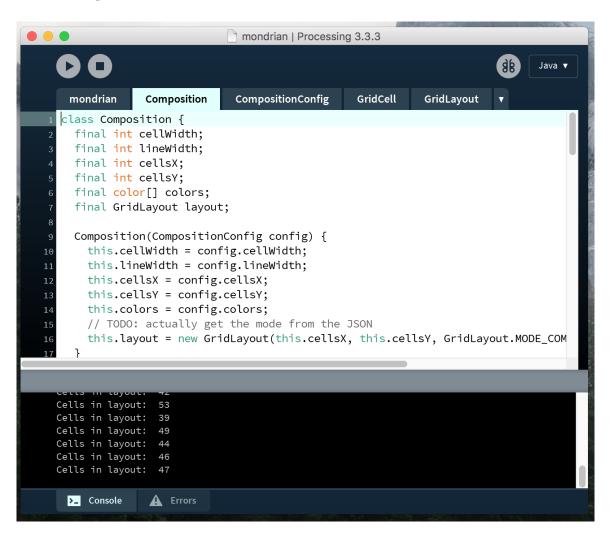
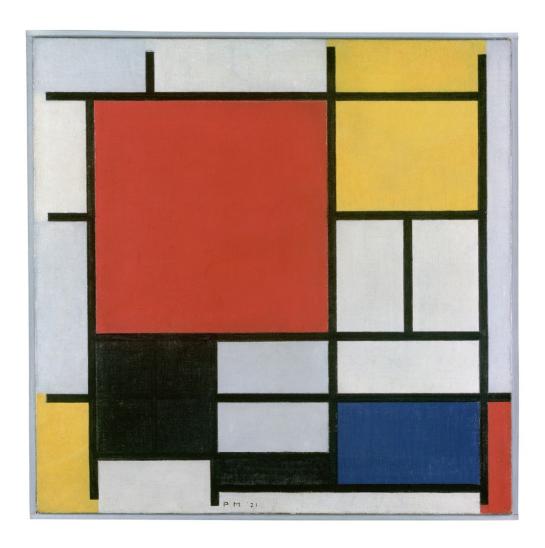
Processing

Make graphics with code!



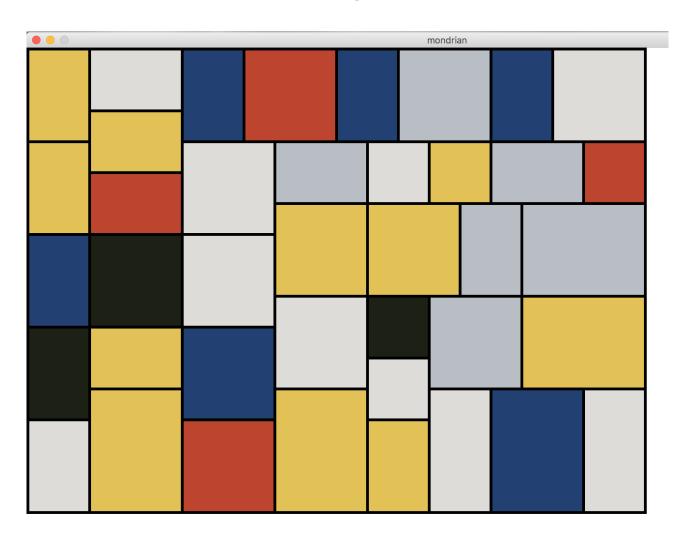
Example: Modern art

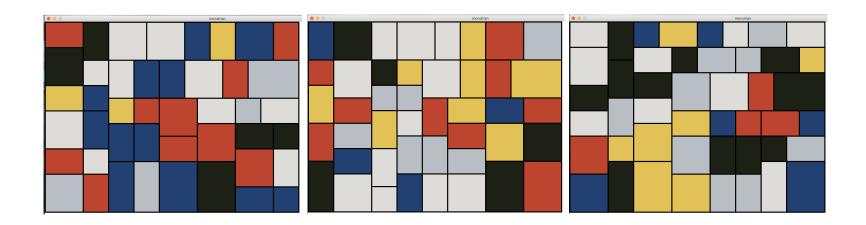


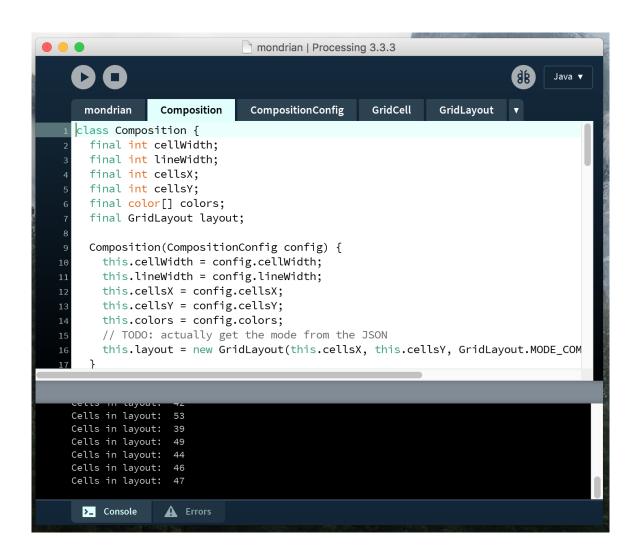
Write code...

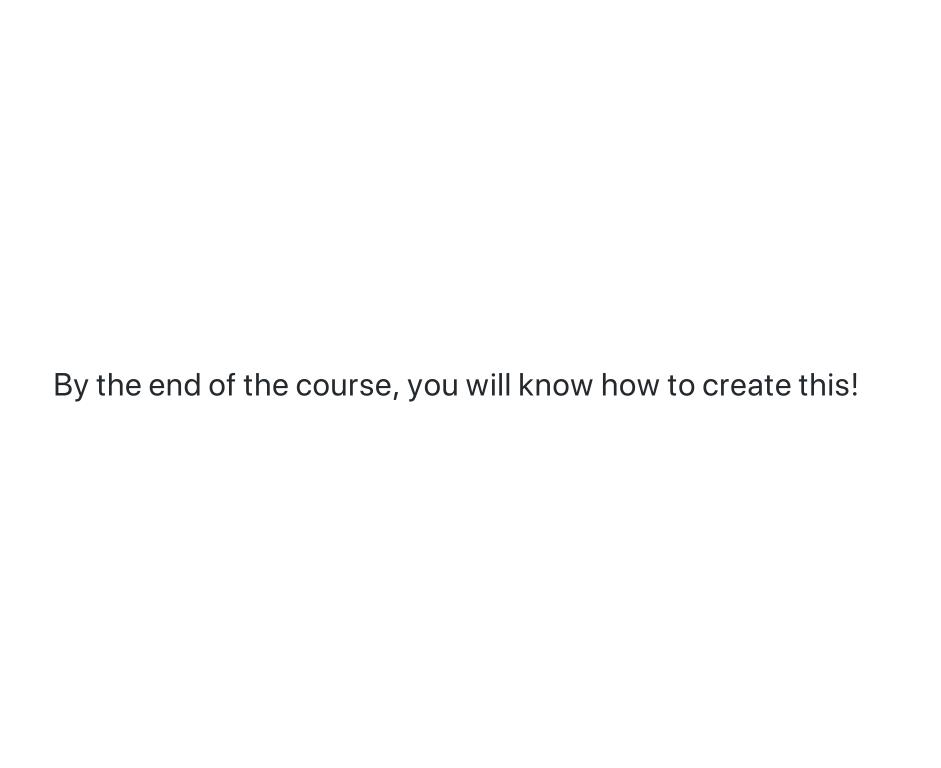
```
mondrian | Processing 3.3.3
                                                                             Java ▼
 mondrian
              Composition
                            CompositionConfig
                                                GridCell
                                                           GridLayout
class Composition {
  final int cellWidth;
  final int lineWidth;
  final int cellsX;
  final int cellsY;
  final color[] colors;
   final GridLayout layout;
  Composition(CompositionConfig config) {
    this.cellWidth = config.cellWidth;
    this.lineWidth = config.lineWidth;
    this.cellsX = config.cellsX;
    this.cellsY = config.cellsY;
    this.colors = config.colors;
    // TODO: actually get the mode from the JSON
    this.layout = new GridLayout(this.cellsX, this.cellsY, GridLayout.MODE_COM
Cells in layout: 53
Cells in layout: 39
Cells in layout: 49
Cells in layout: 44
Cells in layout: 46
Cells in layout: 47
 >_ Console
               A Errors
```

The code turns into pictures!



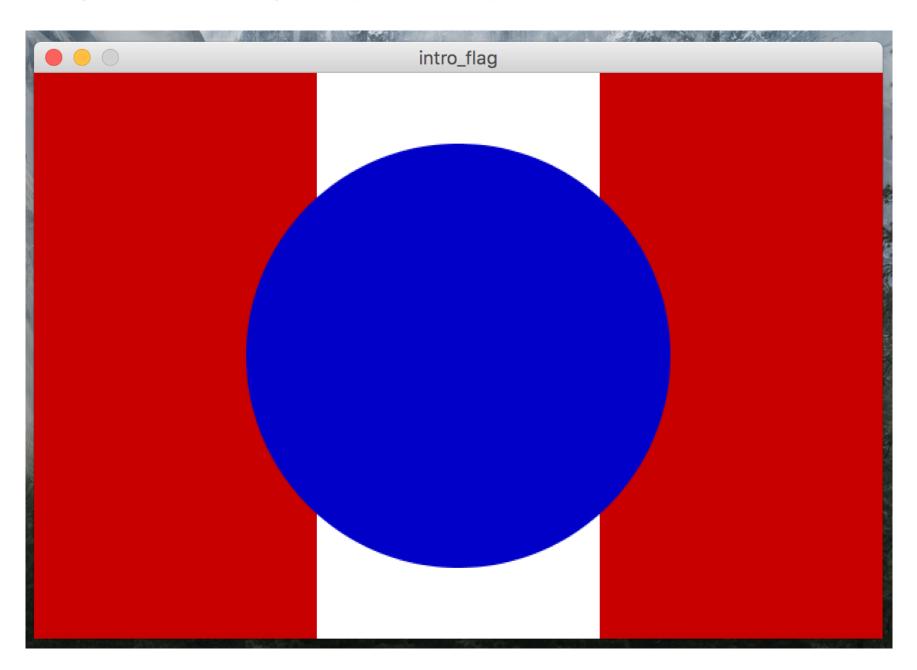




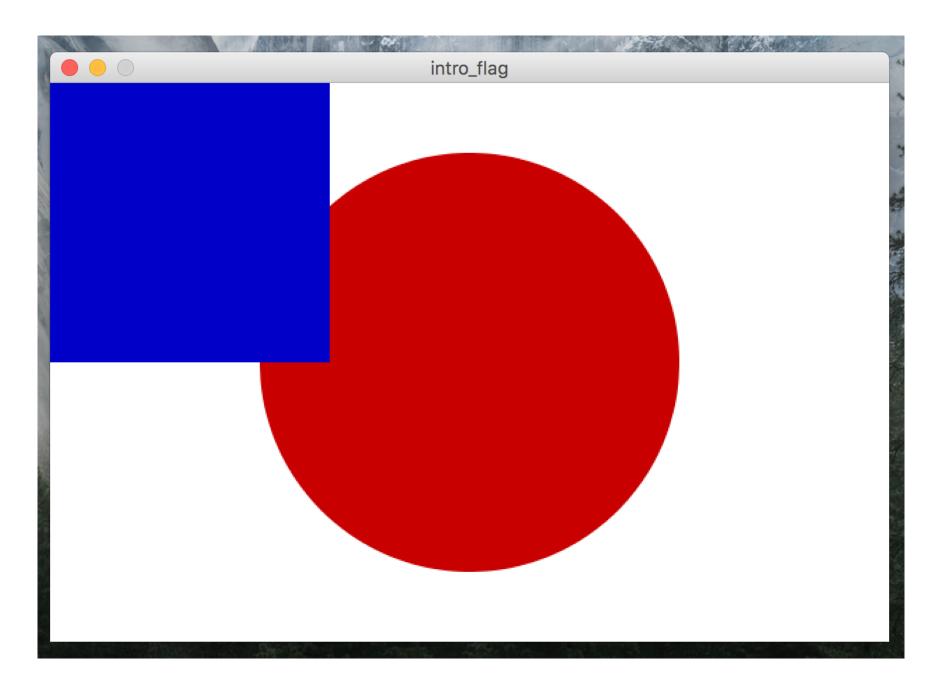


Simpler example...

Flag for an imaginary country



We have a headstart!



Download the starting code

- 1. Go to https://github.com/UtahRETC/ProgrammingIntroClass
- 2. Click "Clone or download"
- 3. Click "Download ZIP"
- 4. Extract contents
- 5. Navigate to "projects" -> "flag"

The Processing Reference

https://processing.org/reference/

