After the break…
"Processing"

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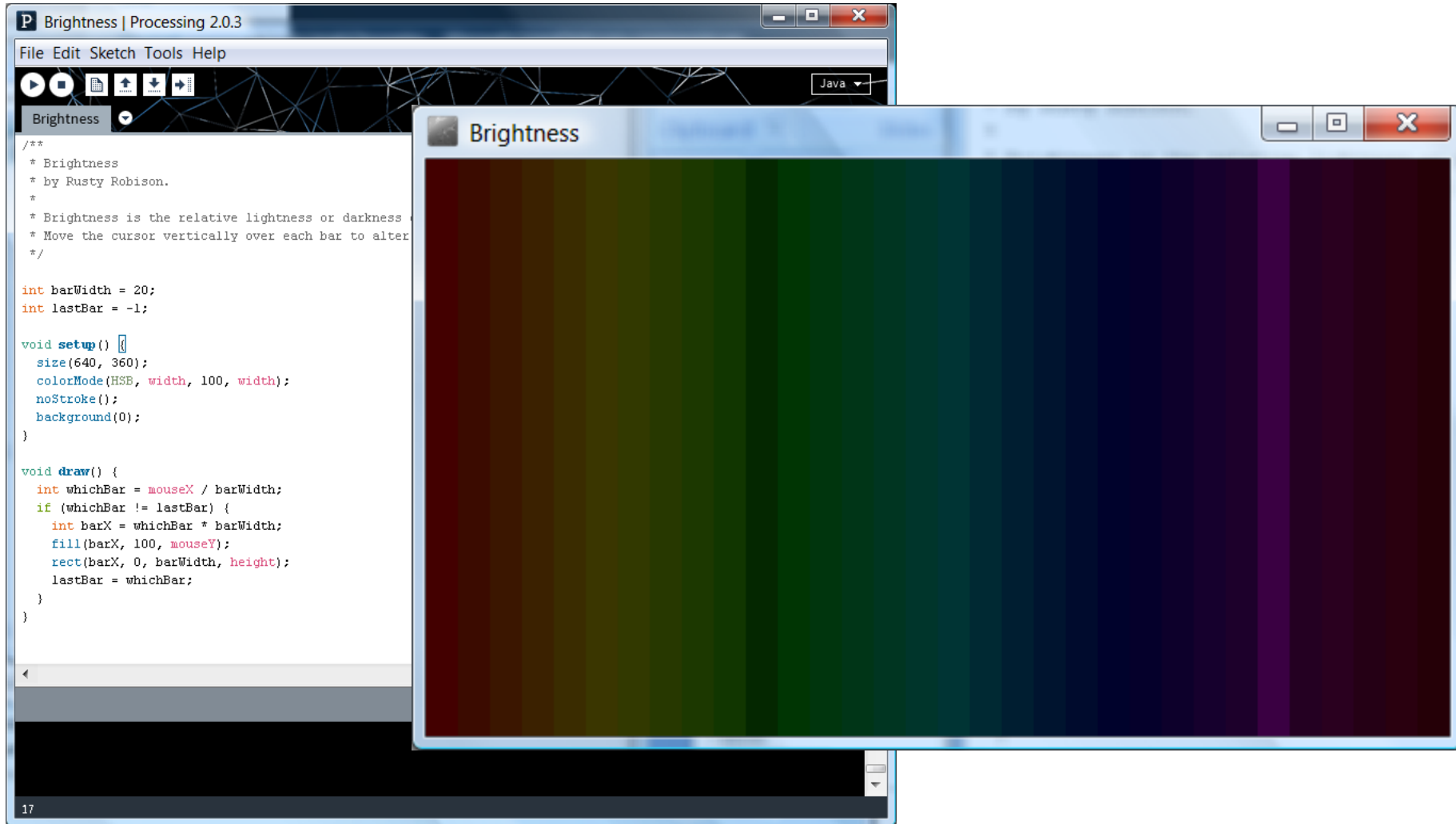
Processing: What is it?

- Great Tool, lousy name!
- http://processing.org
- Processing is a programming language, development environment, and online community.
- Since 2001, Processing has promoted software literacy within the visual arts and visual literacy within technology.
- Initially created to serve as a software sketchbook and to teach computer programming fundamentals within a visual context
- Java-like language
- Easy to build interactive visualizations

Processing: Examples

- Exhibition:
  - Major art/visualization projects
  - https://processing.org/exhibition/
- Examples:
  - How to use the language (see next slide and in-class demo)

Processing: Example Program

Processing Example Program Code

```
int barWidth = 20;
int lastBar = -1;

void setup() {
  size(640, 360);
  colorMode(HSB, width, 100, width);
  noStroke();
  background(0);
}

void draw() {
  int whichBar = mouseX / barWidth;
  if (whichBar != lastBar) {
    int barX = whichBar * barWidth;
    fill(barX, 100, mouseY);
    rect(barX, 0, barWidth, height);
    lastBar = whichBar;
  }
}
```

Processing Resources

- Tutorials:
  - https://processing.org/tutorials/
- Books:
  - https://processing.org/books/
- Forum:
  - http://forum.processing.org/two/
- Ben Fry (author of Processing):
  - http://benfry.com/
- JavaScript Processing:
  - http://p5js.org/