

MAT 259

INTRO TO PROCESSING

PROCESSING

- ▶ created by Ben Fry and Casey Reas in 2001
- ▶ Processing is an open-source and integrated development environment built for new media arts and visual design communities with the purpose of teaching non-programmers the fundamentals of programming in a visual context
- ▶ A language syntax, identical to Java but with a few modifications

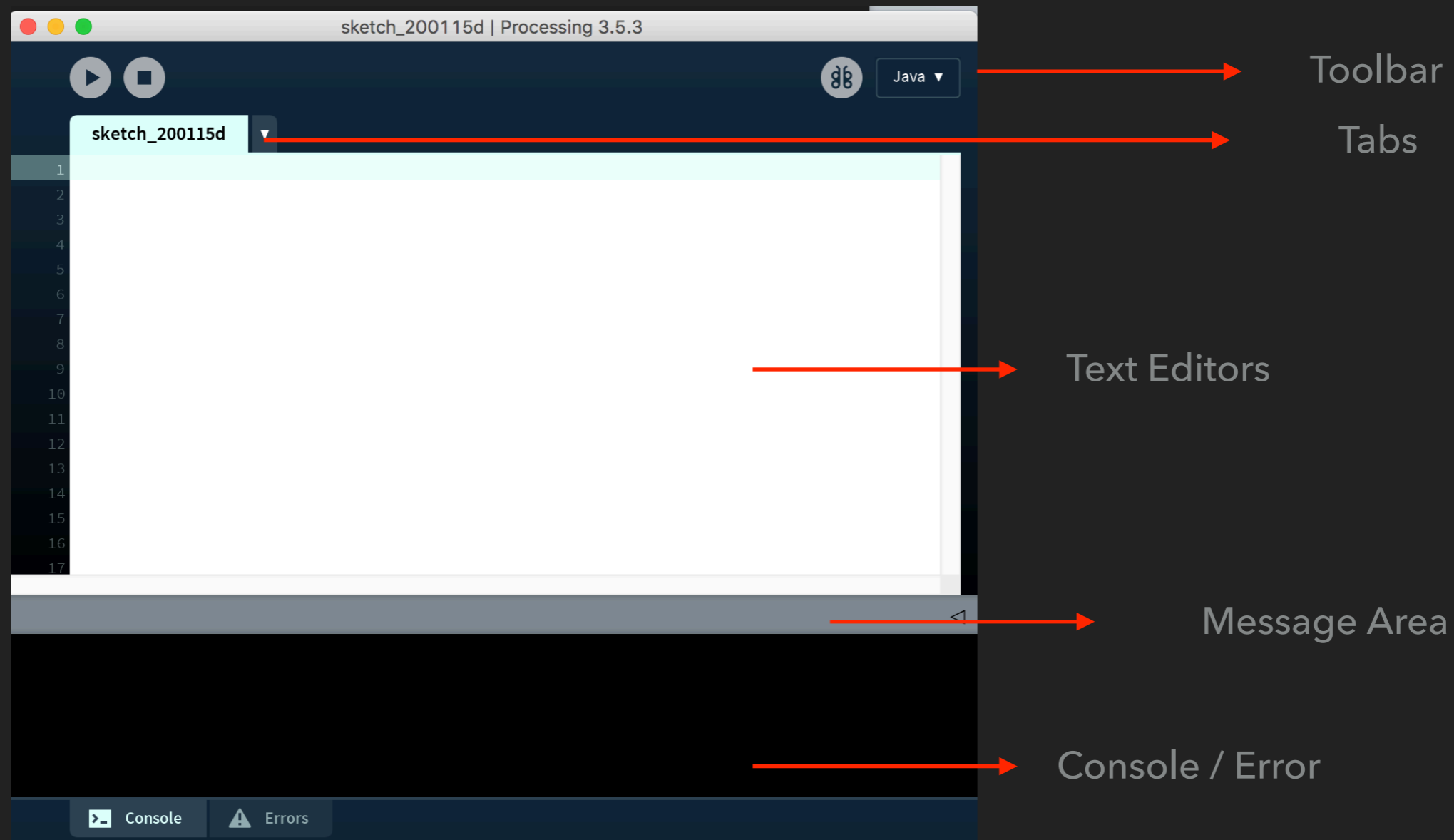
PROCESSING COMMUNITY & RESOURCES

- ▶ processing.org
- ▶ openprocessing.org
- ▶ Youtube tutorial channel [The coding Train](#)
- ▶ processing [libraries](#)
- ▶ Book to recommend [Visualizing Data](#)

PROCESSING DOWNLOAD

- ▶ processing.org/download

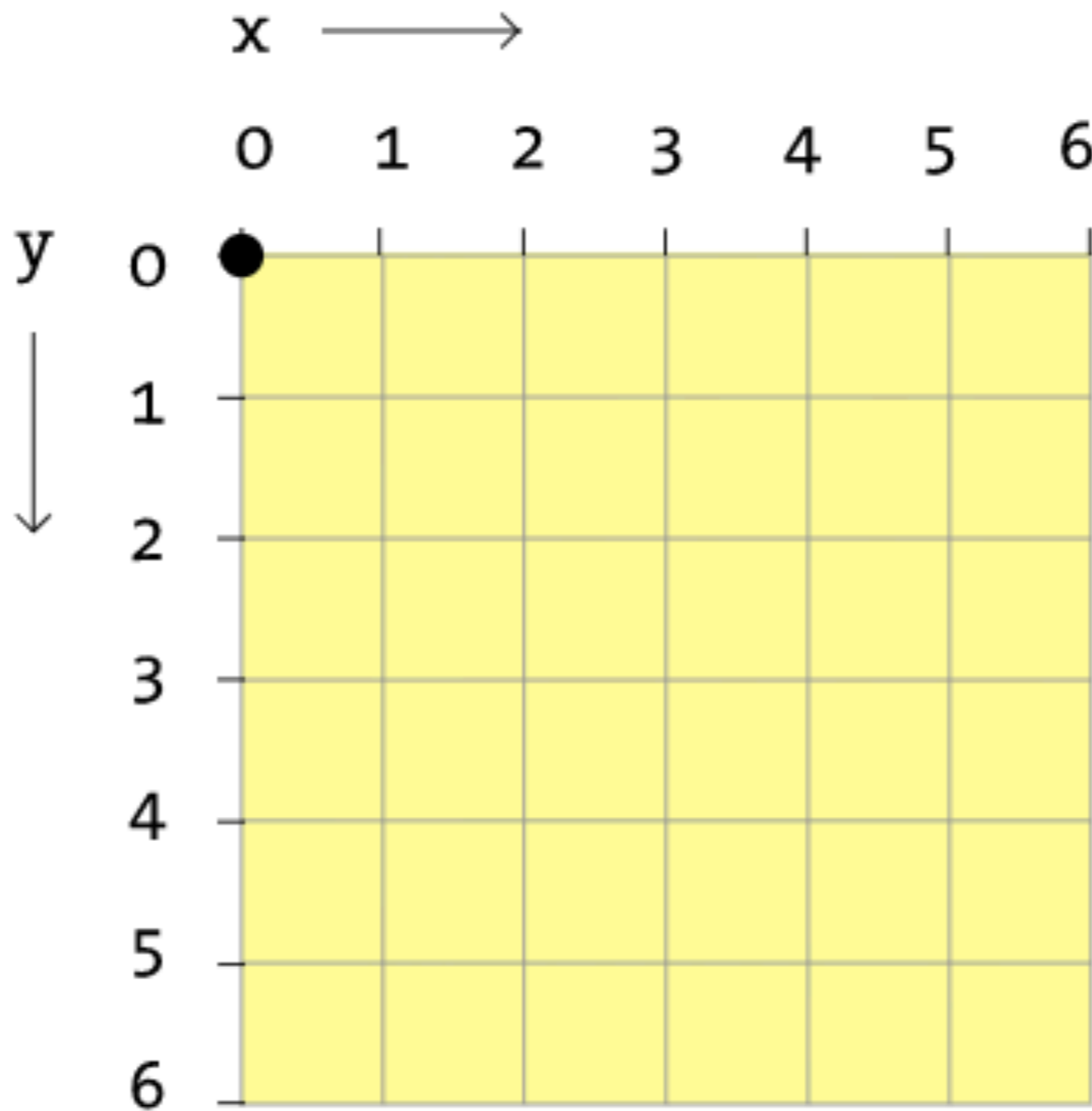
A SKETCH



DRAW 2D PRIMITIVE

- ▶ `rect()`
- ▶ `ellipse()`
- ▶ `line()`
- ▶ `point()`
- ▶ `triangle()`
- ▶ ...

COORDINATE



Computer

t);

HOW TO STORE AND ACCESS DATA

- ▶ variable are used for storing values
- ▶ primitive data type
- ▶ array are used for storing a list of data
- ▶ load data Table()

CONTROL & STRUCTURE

- ▶ condition (if/else)
- ▶ for loop
- ▶ functions
- ▶ objects