INTERACTIVE MULTIMEDIA DESIGN
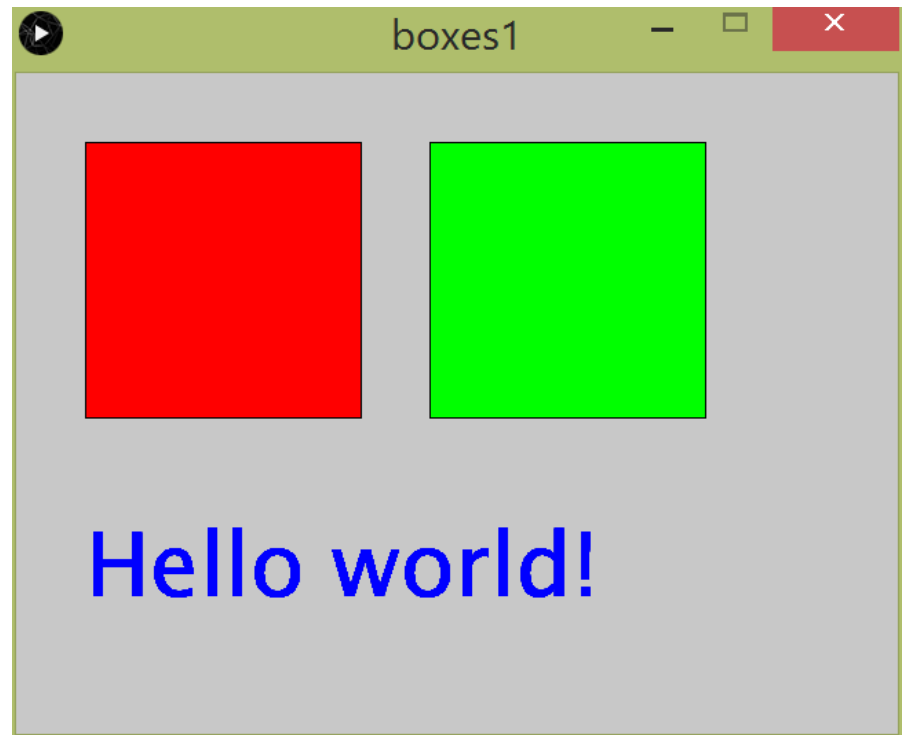
With an AI touch :)

Challenge – Colors and Drawing

☐ Make a Processing sketch that generates the following drawing

☐ Use

- ☐ rect()
- ☐ text()
- ☐ fill()
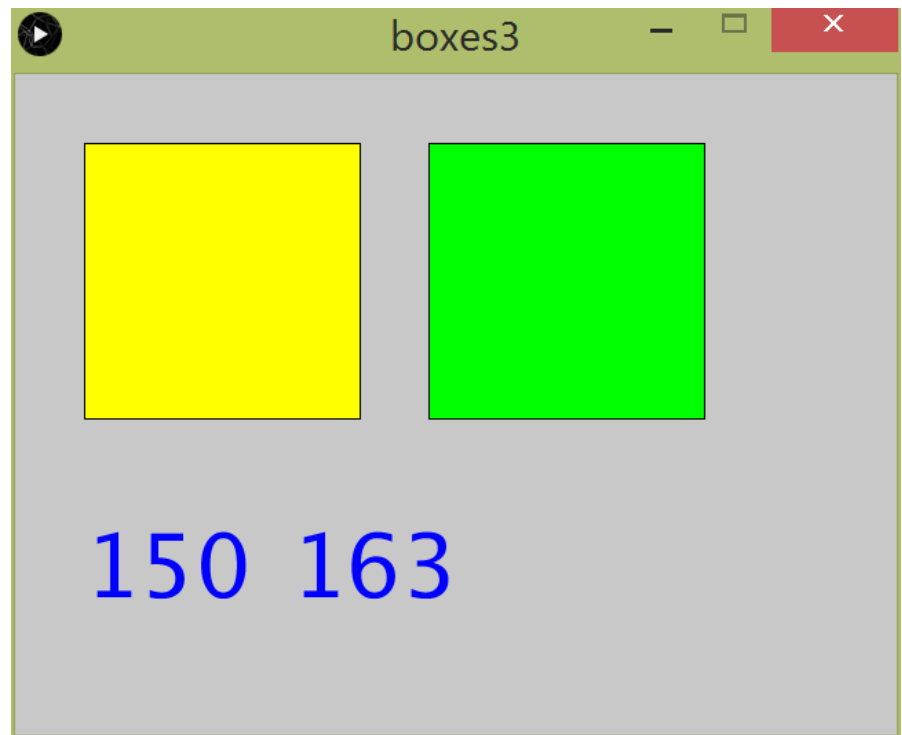- ☐ textsize()

Challenge – Colors and Drawing

□ Make a Processing sketch that prints the location of the mouse
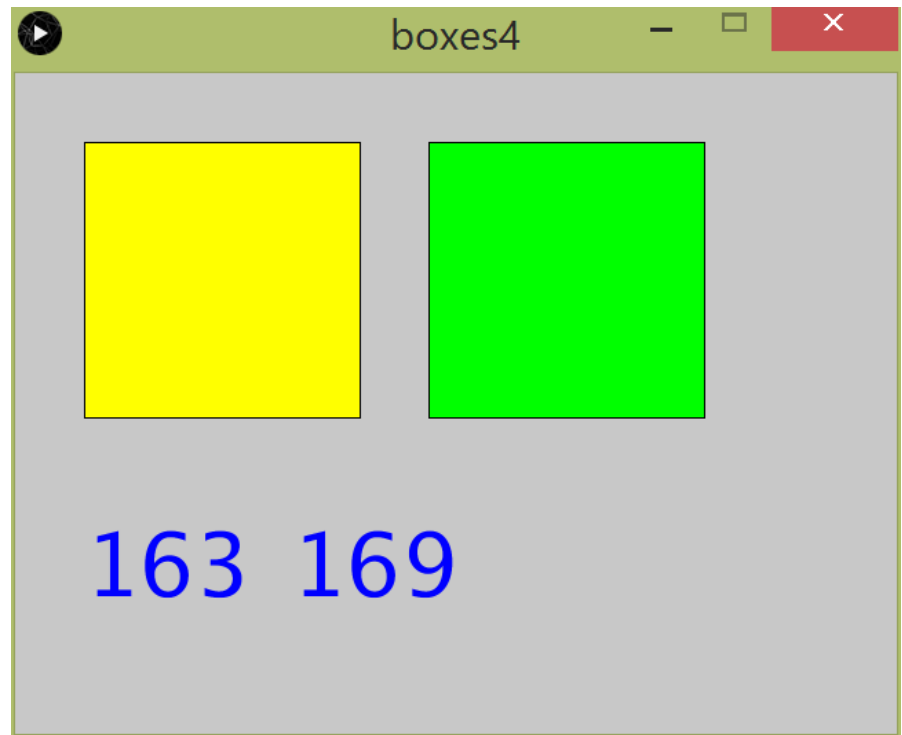
□ Use

- ◻ mouseX
- ◻ mouseY

Challenge – if-else blocks

- Make a Processing sketch that changes the color of the left box when the mouse is over it

- Use
  - If-Else statement
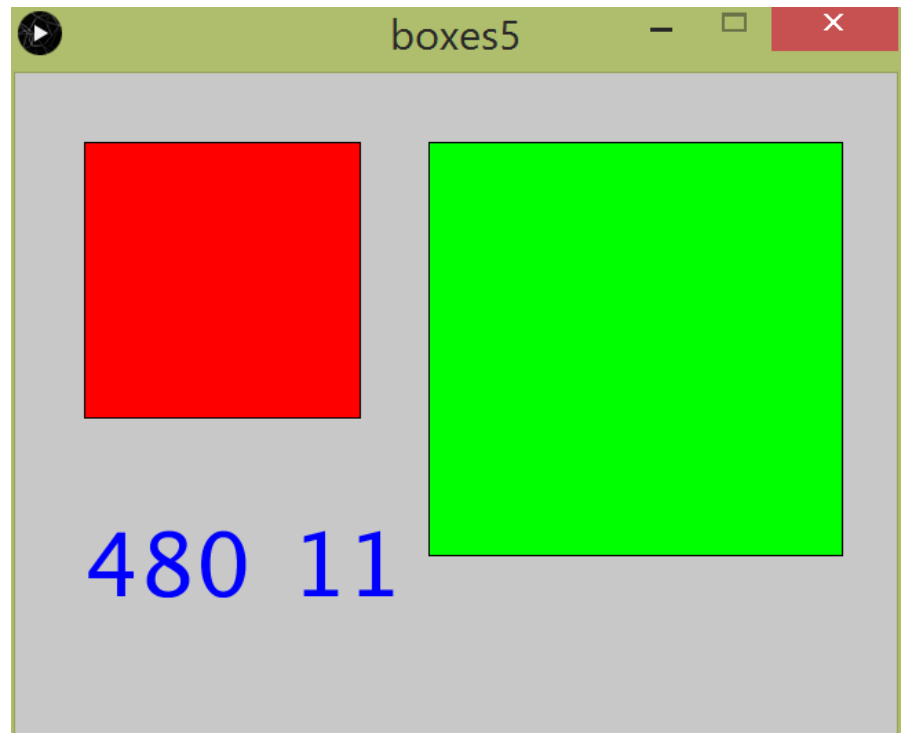 - mouseX>50 mouseY<250 …

Challenge – Mouse click

- Make a Processing sketch that changes the color of the left box when the mouse is over it **and is pressed**

- Use
  - mousePressed

Challenge – Key press
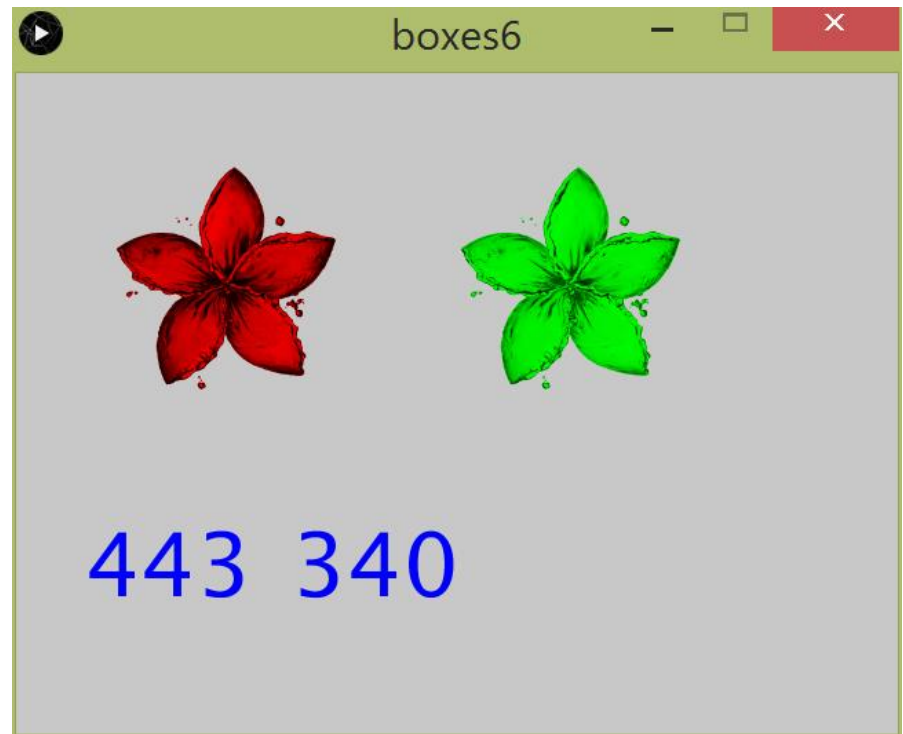
☐ Make a Processing sketch that changes the size of

the right box when buttons 'a' and 'b' are pressed

☐ Use

  ◻ mousePressed

Challenge – Images instead of boxes

- Make a Processing sketch exactly like the previous one that uses images instead of boxes

- Use
  - ocean1.zip
  - tint()

Challenge – Images instead of boxes
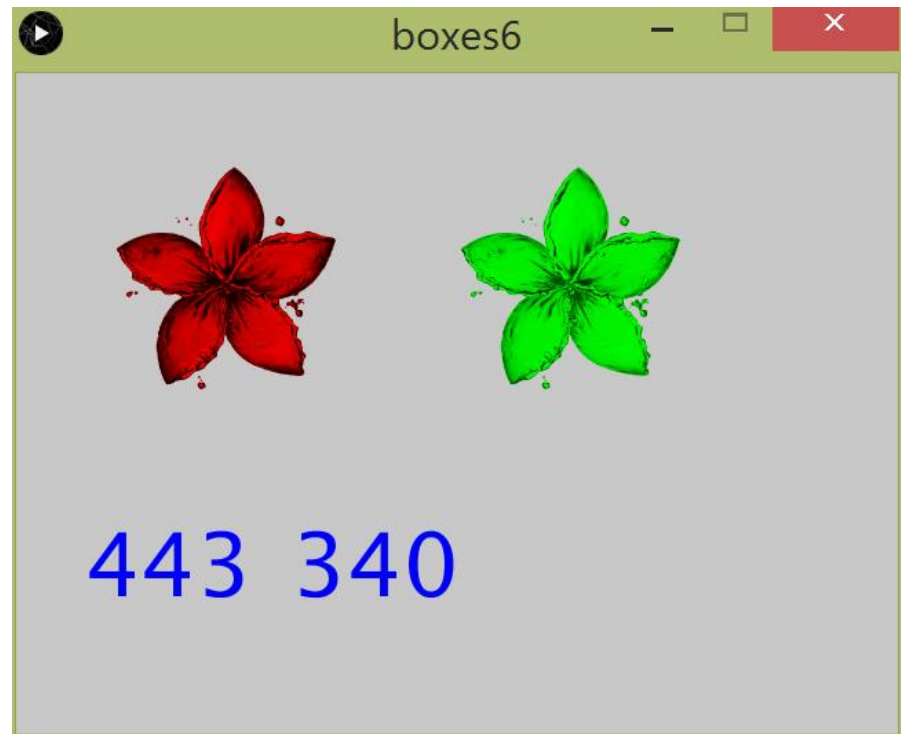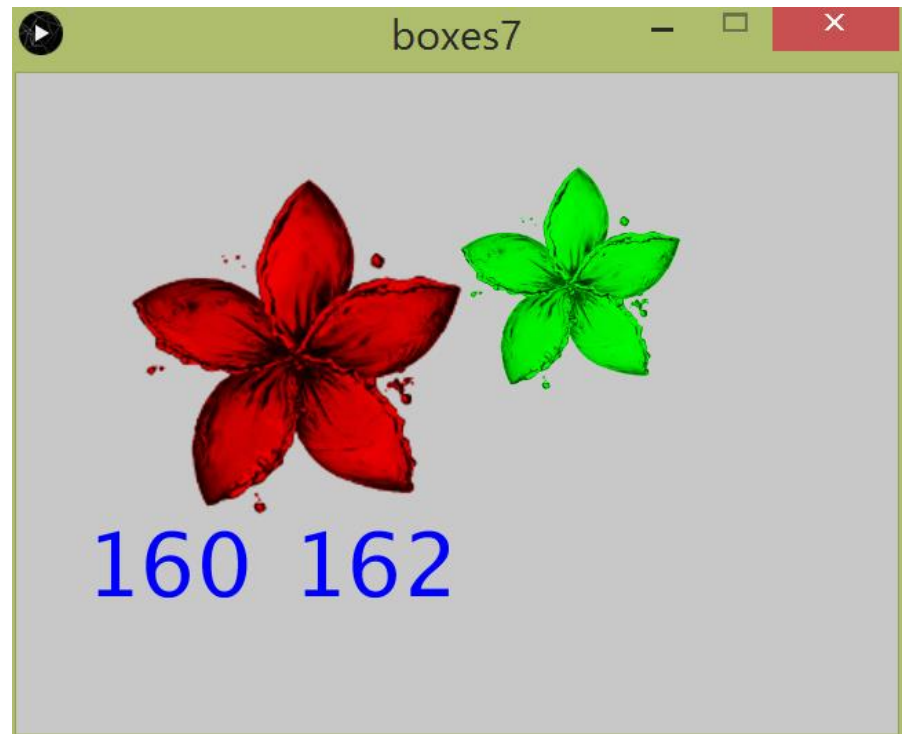
- Make a Processing sketch exactly like the previous one that uses images instead of boxes

- Use
  - ocean1.zip
  - tint()

Challenge – Images instead of boxes

- Make a Processing sketch exactly like the previous one that uses images instead of boxes and makes the left one bigger when you click
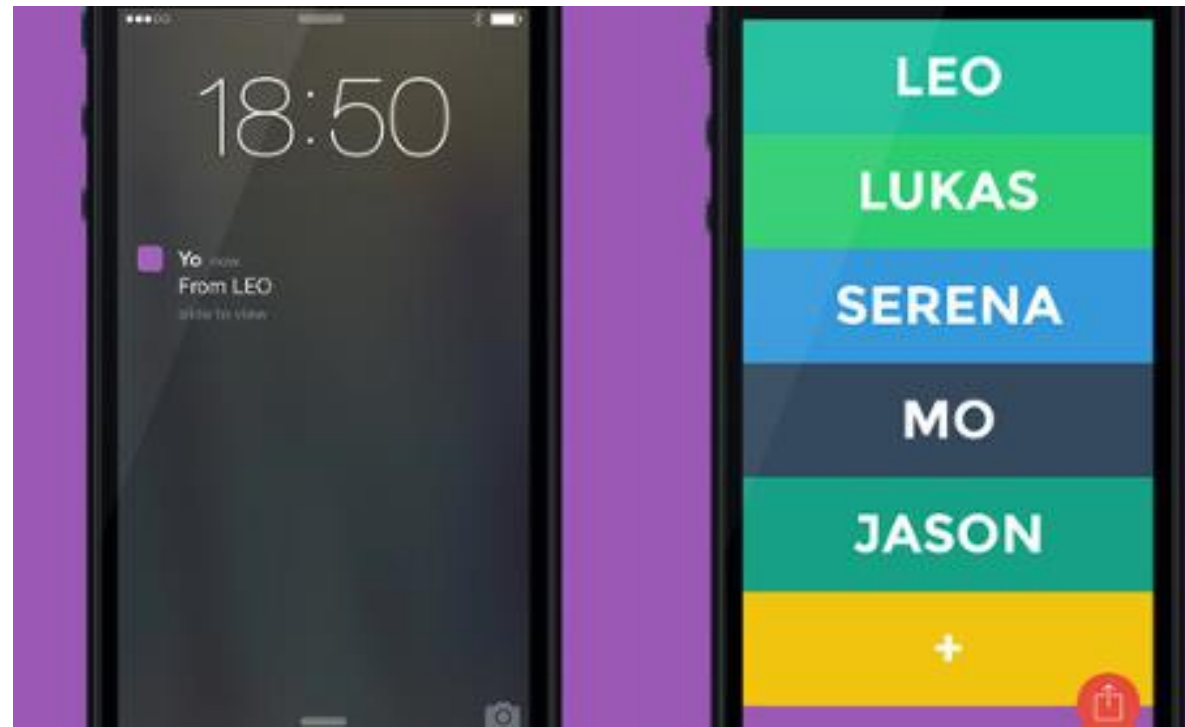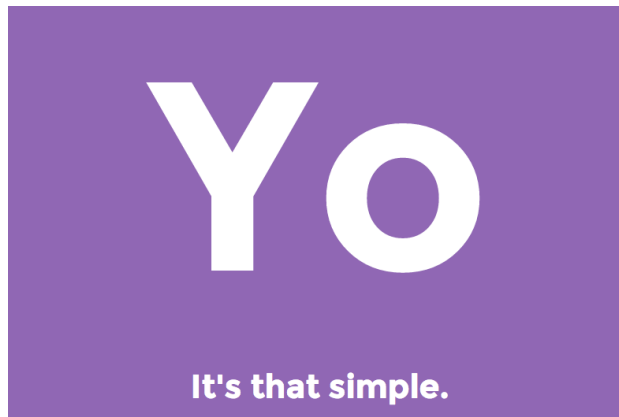
Challenge – Custom art

- Use your own images!

Bonus – Internet of Things fun

□ Download Yo app

□ Add IOTUP, IOTDOWN, IOTLEFT, IOTRIGHT

Challenges

- Whenever the mouse is pressed display a flower at the position of the mouse

- Try to do pointillism!
  - Pick a random point in the image (x,y)
  - Get the color of the pixel
  - Draw a circle at the same point (x,y) with the same color
  - Repeat :)

- Now try with putting a tinted flower instead of a circle!

Challenges

- Use the camera to get some frame

- Use a button to start stop the camera

- Use buttons to change the size of the camera

- Use many frames to produce a film-strip