

# Introduction to Artistic Programming 1

Using Python



# whoami

- Simon Agius Muscat
- Software Engineer at RightBrain
- <http://rightbrain.com.mt/>



# Art vs Science

The Artistic approach lowers the bar to  
entry in science

10 works of art by the end of this talk

You're going to need  
to install Processing

# <https://processing.org/>

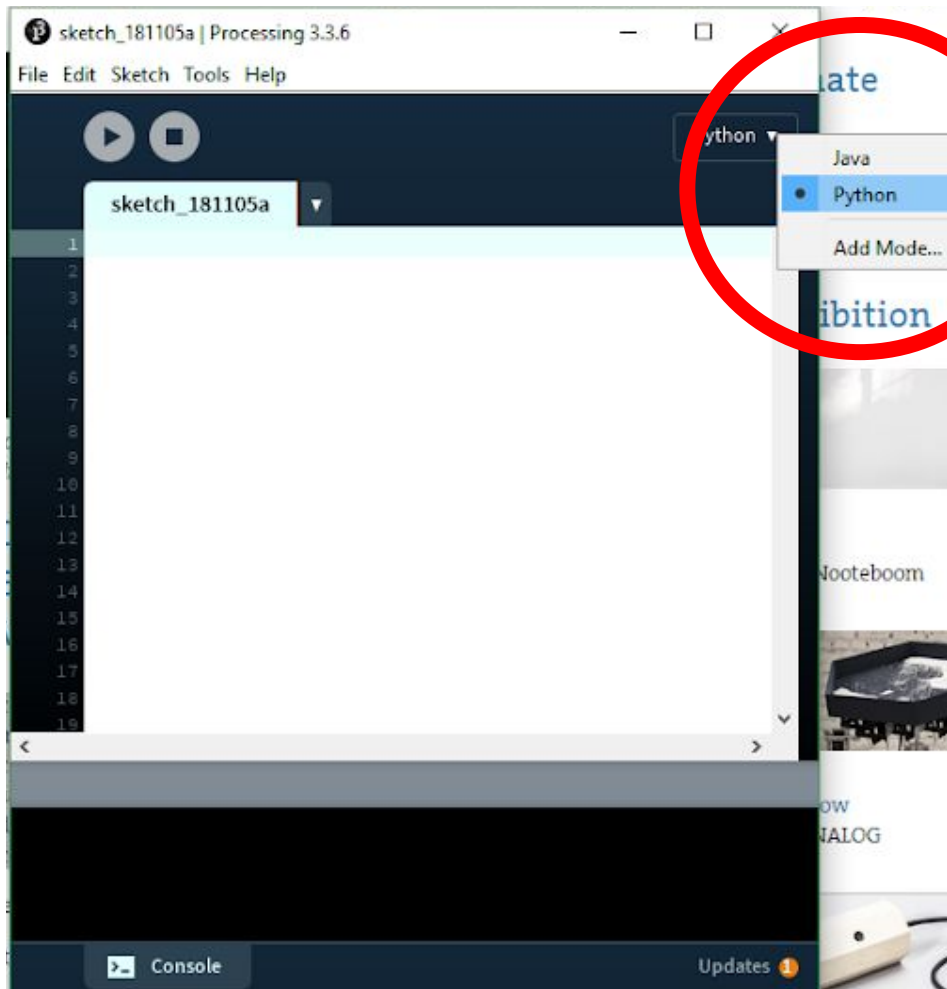
*Processing is a flexible software sketchbook and a language for learning how to code within the context of the visual arts.*

*Since 2001, Processing has promoted software literacy within the visual arts and visual literacy within technology.*

*There are tens of thousands of students, artists, designers, researchers, and hobbyists who use Processing for learning and prototyping.*

# Download Processing, and Python Mode within Processing

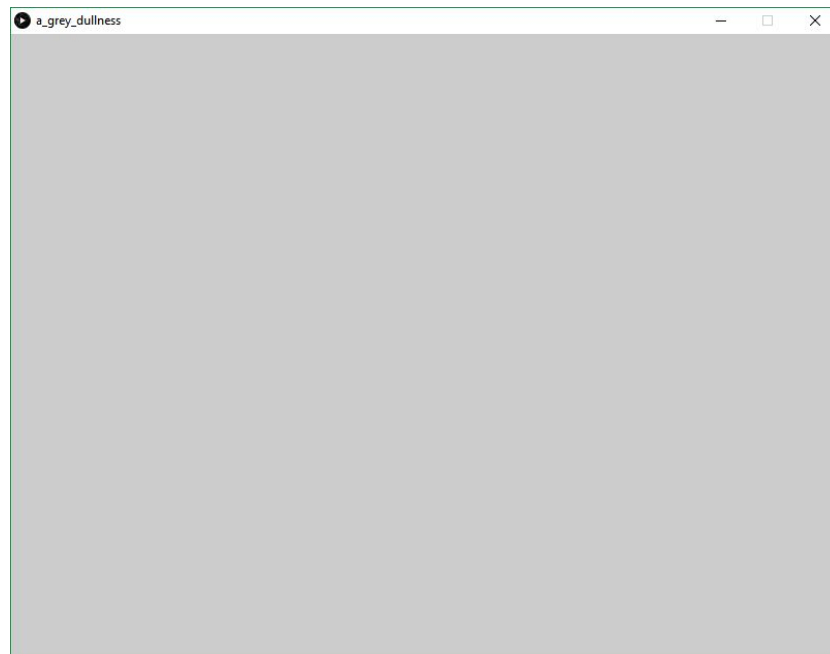




# Work of Art #1

## “Grey Dullness”

# “Grey Dullness”



Work of Art #2

“Rabbit in a Snowstorm”

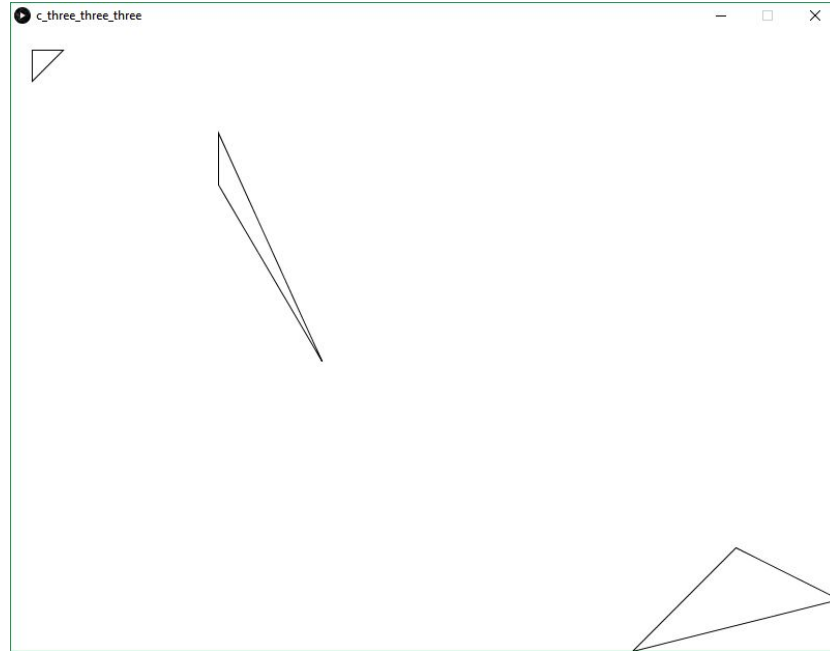
# “Rabbit in a Snowstorm”



Work of Art #3

“Three Three Three”

# “Three Three Three”

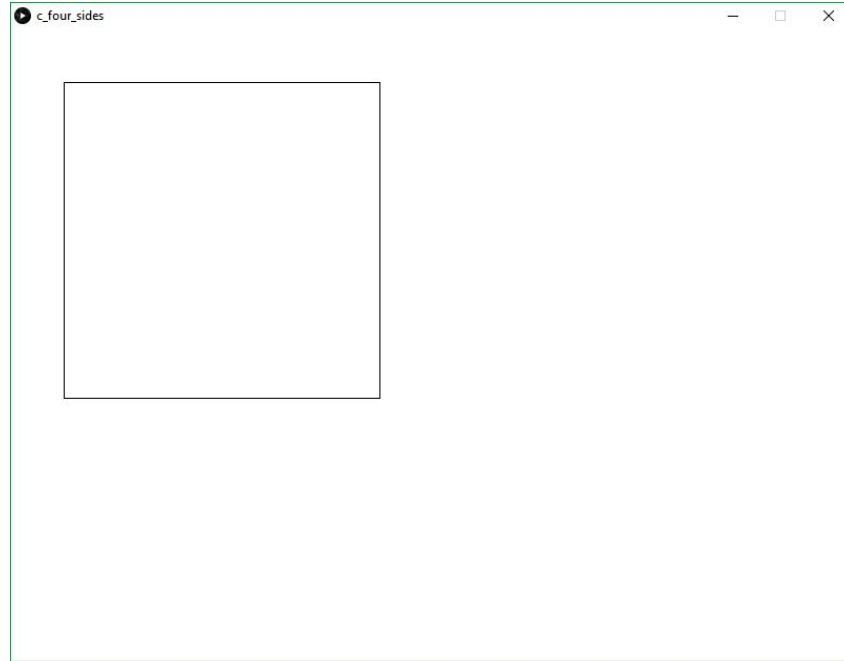


# Work of Art #4

## “Four sides”



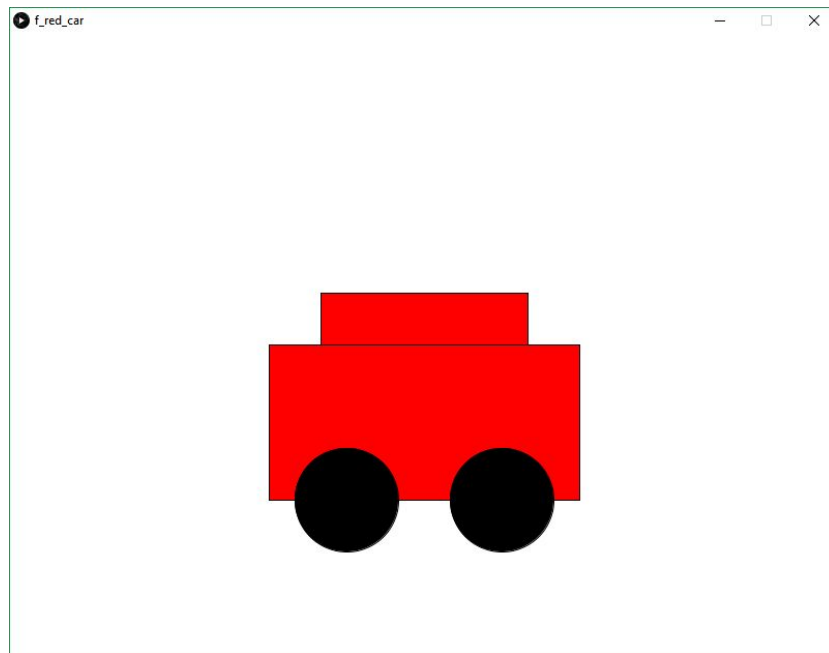
# “Four Sides”



Work of Art #5

“Red Car”

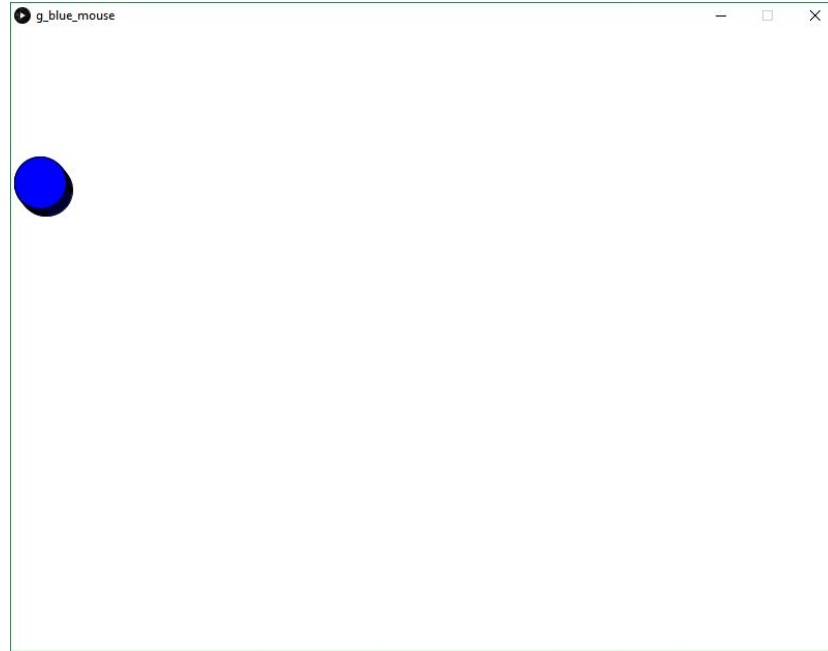
# “Red Car”



# Work of Art #6

## “Blue Mouse”

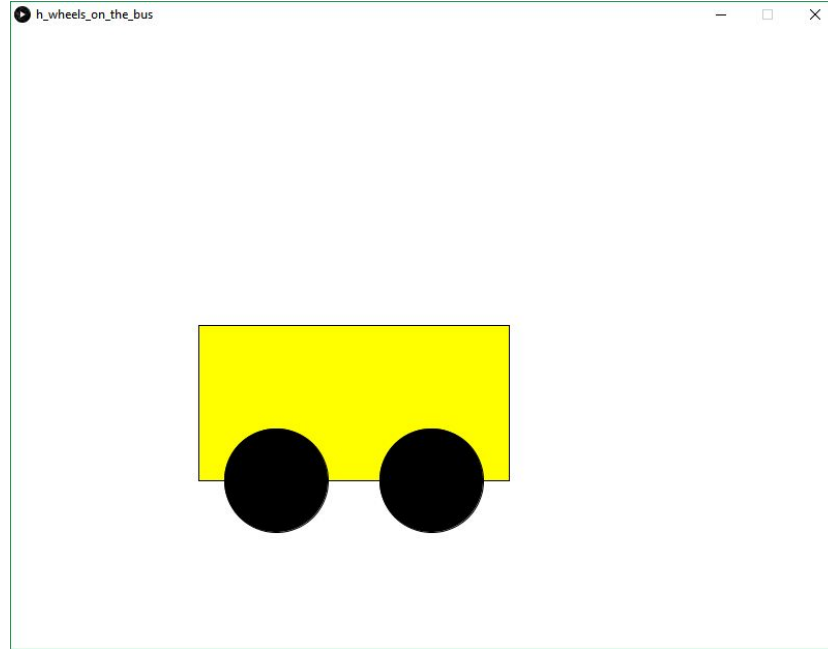
# “Blue Mouse”



Work of Art #7

“Wheels on the Bus”

# “Wheels on the Bus”

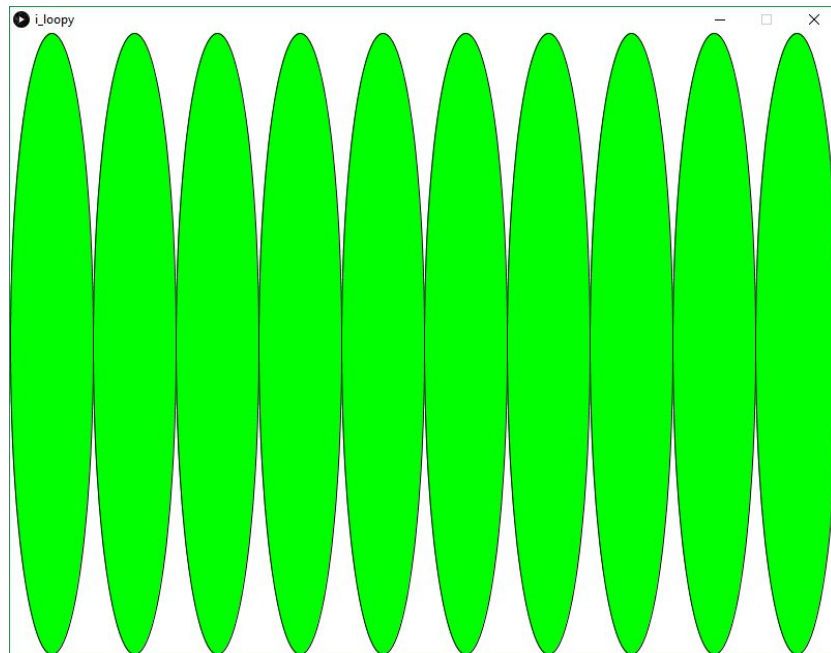


# Work of Art #8

## “Loopy”



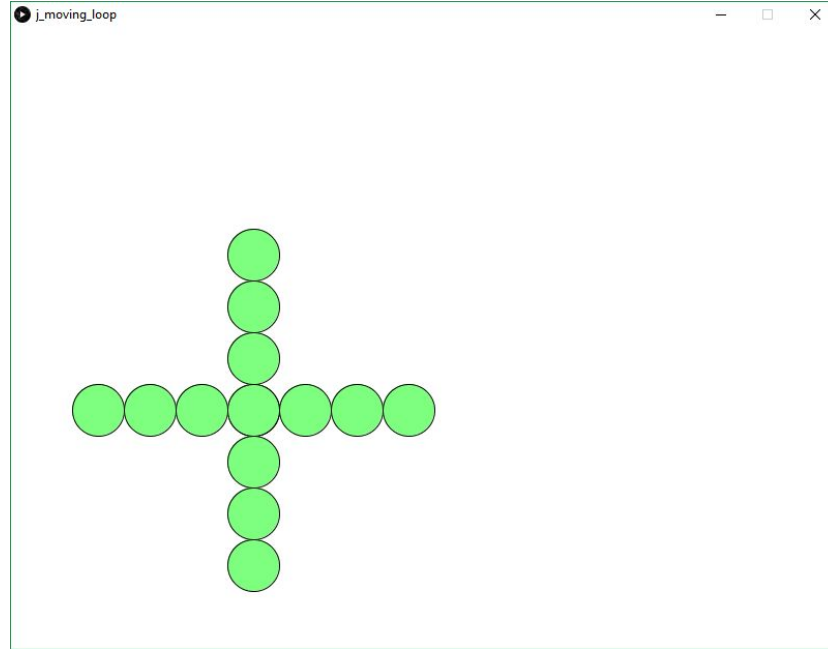
“Loopy”



# Work of Art #9

## “Moving Loop”

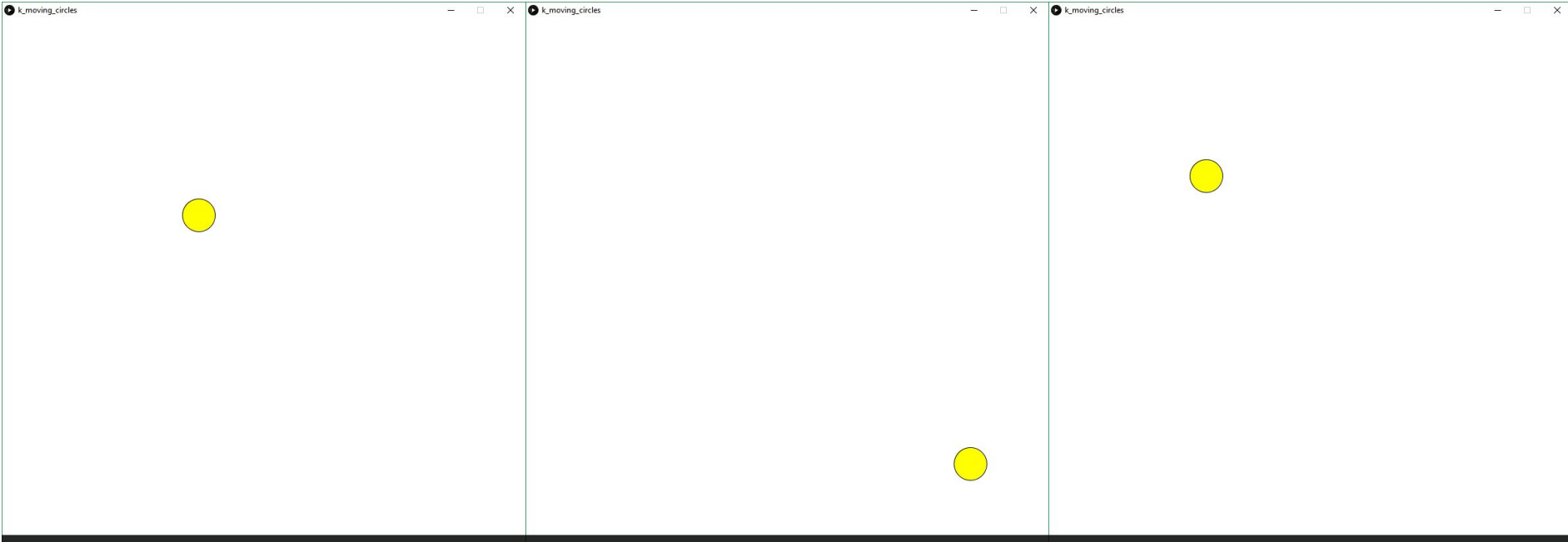
# “Moving Loop”



# Work of Art #10

## “Moving Circles”

# “Moving Circles”



# If we have time left... some challenges!

1. Add a second circle, bouncing from bottom left to top right
2. Make the circle change colour, depending on its X coordinate
3. Make the circle stop moving if you hover your mouse over it

# Thank you for listening 🐱

- Any questions? :)
- Part 2 coming soon™!
- Source Code is available on GitHub:
- <https://github.com/purrcat259/introduction-to-artistic-programming>
- My details:
- Simon Agius Muscat
- <https://www.trailblaze.software/>
- [simon@agius-muscat.net](mailto:simon@agius-muscat.net)