CoderDojo Athenry

Code and Notes by Martha Fahy, 2019

CoderDojo Athenry

"Above all, be cool"

Every week:

✓ Sign in at the door

If you are new:

✓ Fill in Registration Form

✓ Ask a Mentor how to get started

Make sure you are on the Athenry Parents/Kids Google Group: email coderdojoathenry@gmail.com

Weekly Reminders

- **Fire exit doors/main doorways must be kept clear AT ALL TIMES**

- **In the case of an emergency , please proceed in a calm and orderly manner to the nearest Exit and go to your Assembly Point**

Do NOT take anything with you
If you have a child in another room, do NOT go to them, a Mentor will look after them

- **Please leave passageways between desk and keep CLEAR at all times**

- **If power cable goes across passageways – must be TAPED DOWN ask mentor for tape**

- **ONLY NINJAS need a table - parents, please only use a chair**

- **If FIRST AID is required please alert a Mentor**

There are a number of trained first responders on site every week

€2

+

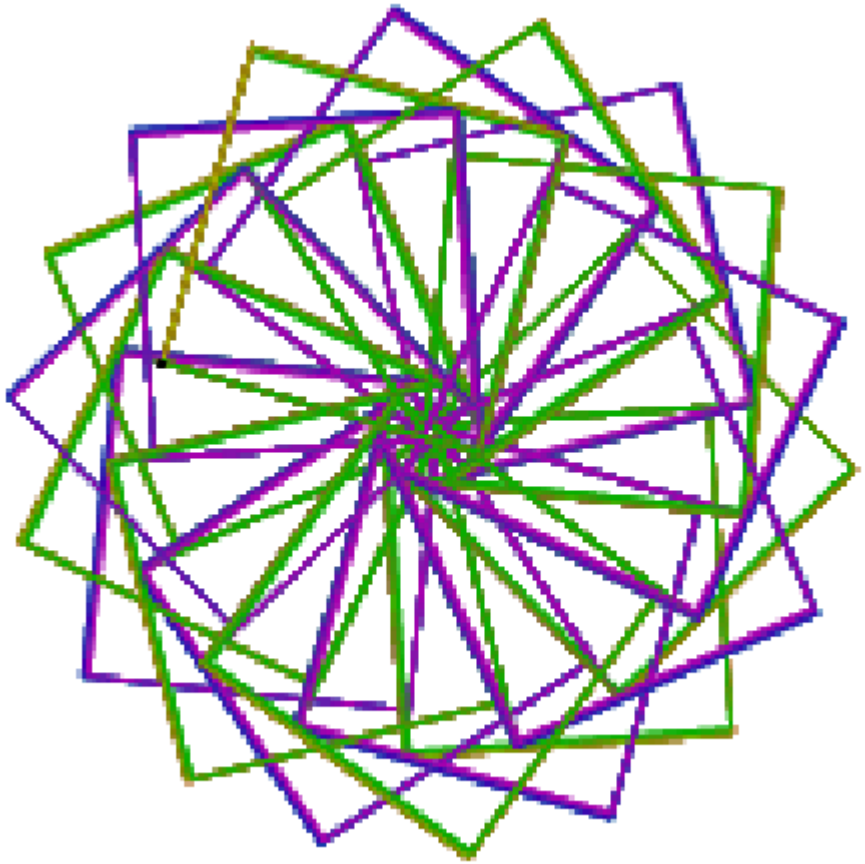
Help us cut down on Single Use Cups

Bring your own cup (must have lid)

€1.50

+

Todays Challenge:
Pen Command, Sliders, Buttons



Today's Big Ideas

Degrees
Sides
Steps

Loops

Variables

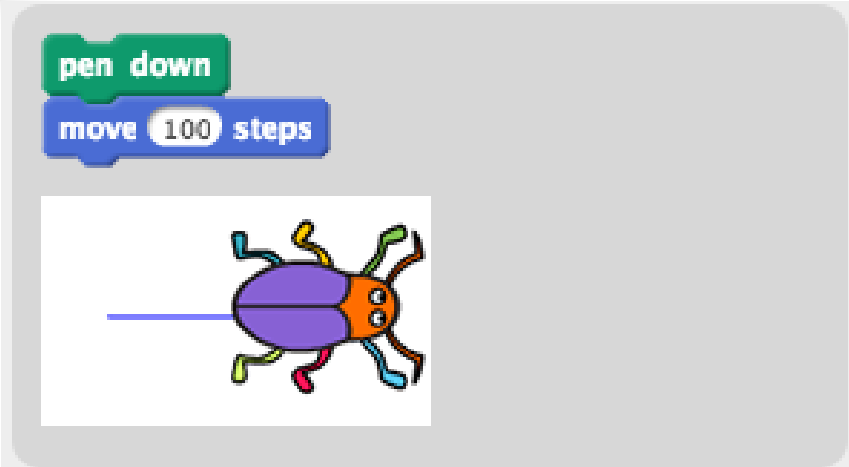
Sliders

Buttons

The Pen Commands

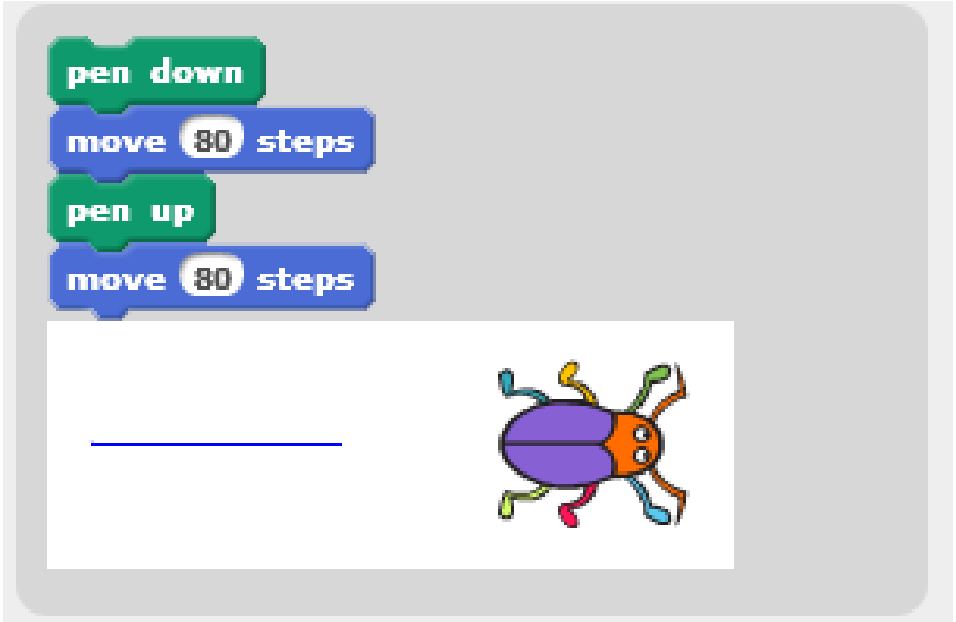
The Pen Commands

The Pen Commands



The pen will leave a trail as soon as the sprite moves.

The Pen Commands



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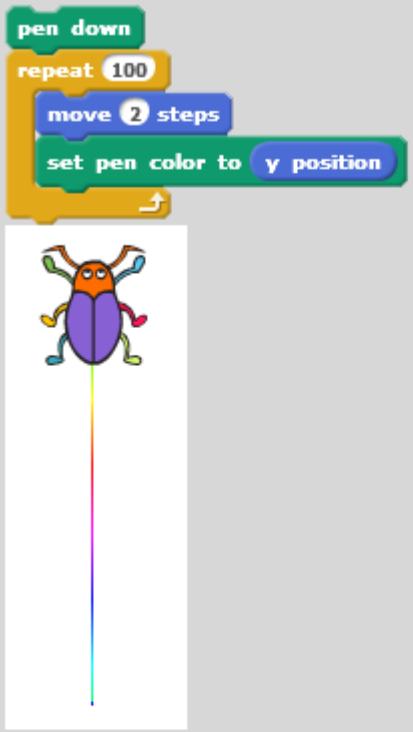


You can either set the pen color to a variable, like y position or a number. For example, number 0 is color red, number 70 is green, number 130 is blue, and number 170 is magenta.

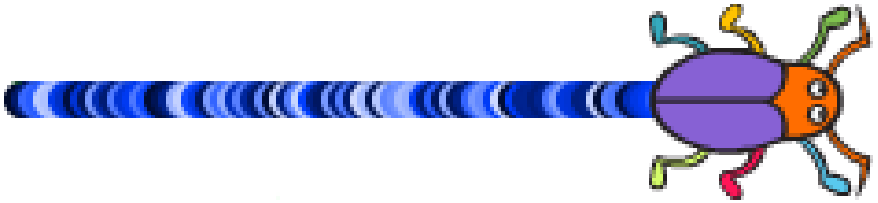
Pen_color=0 at red end of rainbow, pen_color=100 at blue end of rainbow. Ranges from 0 to 200 to go around the color wheel.

The Pen Commands

The pen shade goes from 0 to 100. 50 is the default.

Note: If the pen shade is 0, then the pen color will be close to black. If the pen shade is 100, the pen color will be close to white.

The Pen Commands



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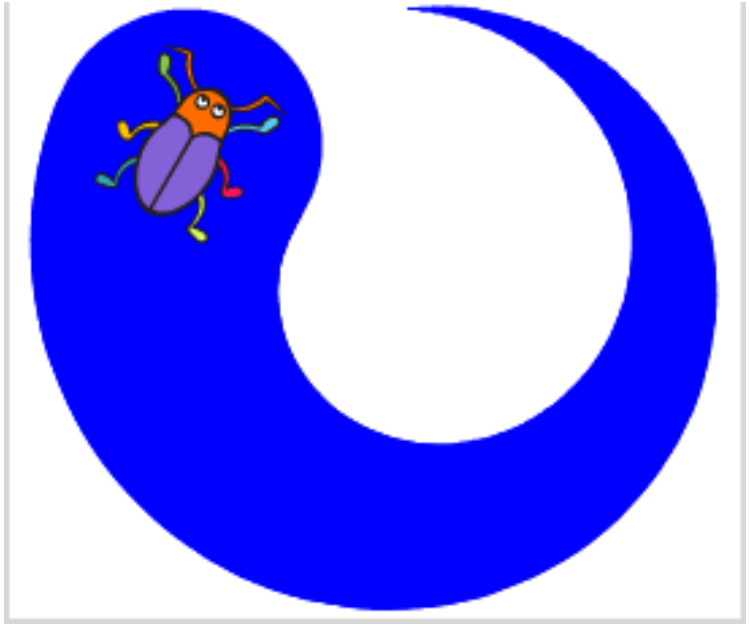

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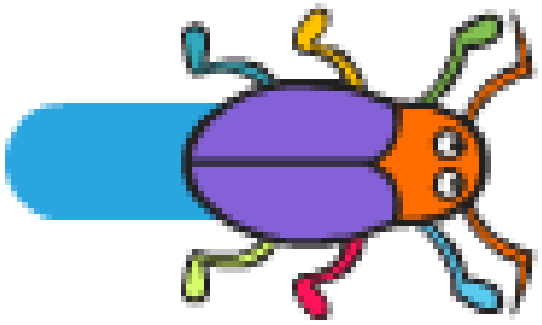
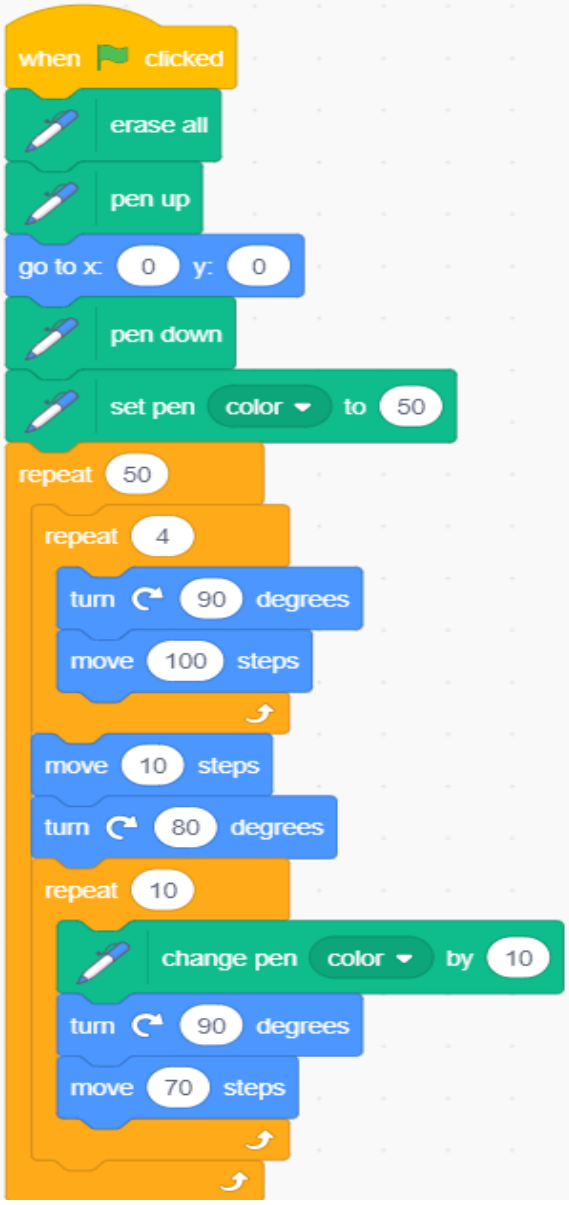


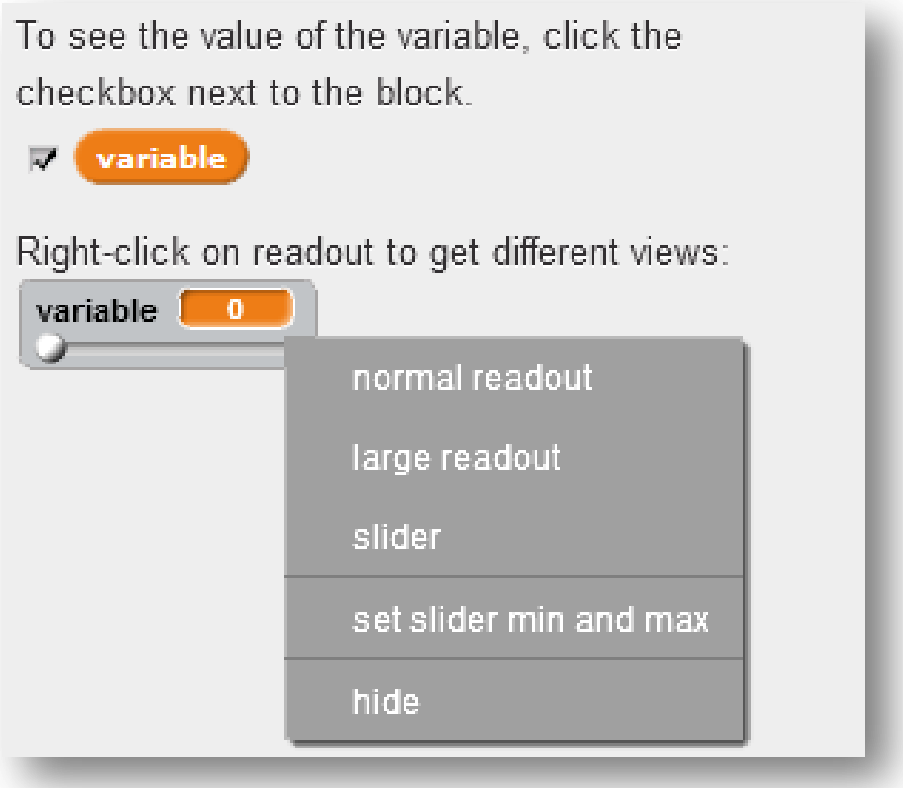


Now for the Code!

Make it your Own

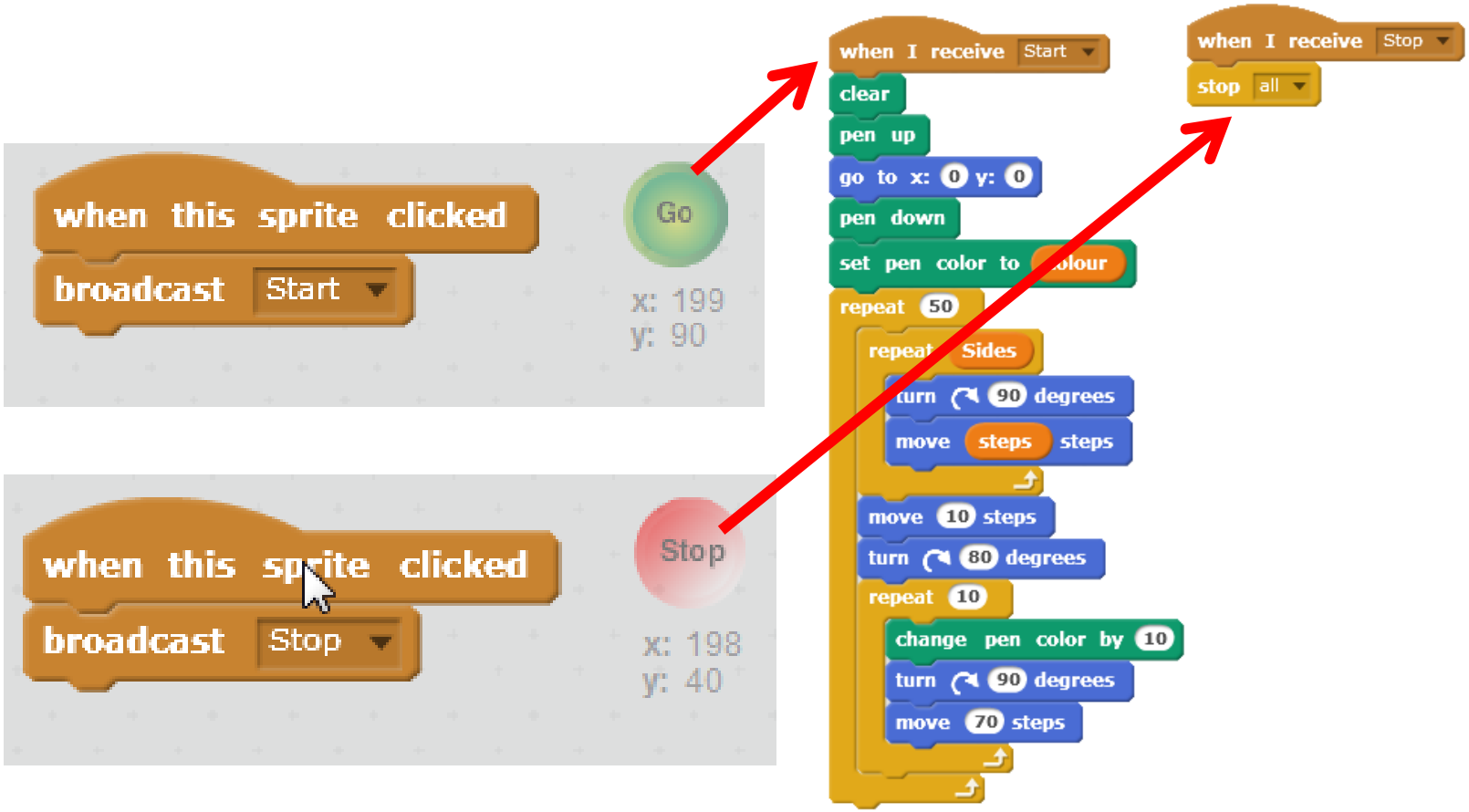
Sliders

A variable can be viewed on screen in a view different views



Buttons

Use sprites as buttons to execute code

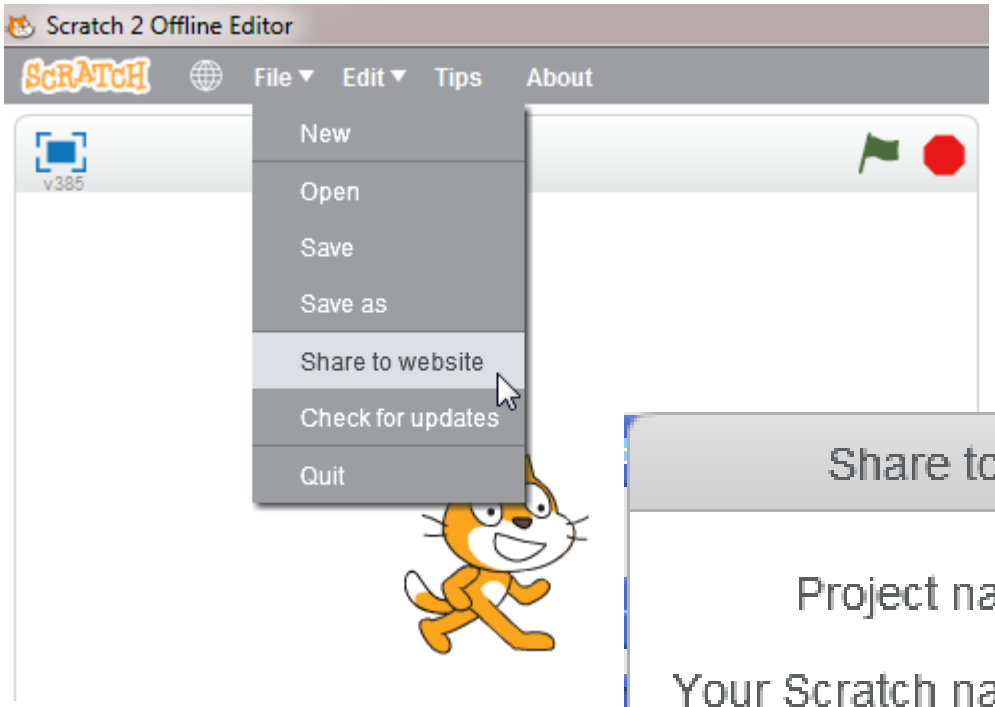


At the End …

Upload your project to the Scratch Website

Access it from home

Improve it

Show your friends!

Uploading to Scratch Website