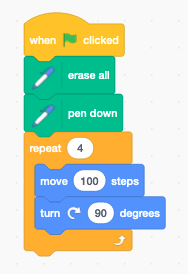
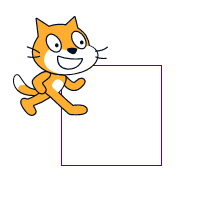
Loop Activity

Scratch can be used to make some very cool art. Today, we’re going to combine using the pen extension, move, and repeat to make shapes. For example, the script below draws a square.



-- *yields* ->

In particular, notice that:

* We have a good “initialization”
* In the “loop” we only do simple moves and turns

Assignment:

Using a repeat try to draw the following shapes below. Each time you complete a shape, remove the when flag clicked block but **keep the rest of the code somewhere on the side**. This means the code is still there for reference but won't run. Once you have all six shapes, save the project as “NAME's Shapes” and share it.

* 1. Equilateral triangle
  2. Pentagon
  3. Hexagon
  4. Octagon
  5. Five-sided star
  6. A cool shape of your own that has a repeat 100 loop in it
  7. Make this shape:

A line of blue rectangles

Description automatically generated

* 1. A blue line drawing of a hexagon

     Description automatically generatedMake this shape:
  2. A blue hexagon with white lines

     Description automatically generatedMake this shape:
  3. Make this shape (hint: you need to use both the pen up and pen down blocks):

A blue and white triangle pattern

Description automatically generated with medium confidence

Bonus: Make this shape (hint: you need to use the change pen color by block)

A colorful squares in a circle

Description automatically generated