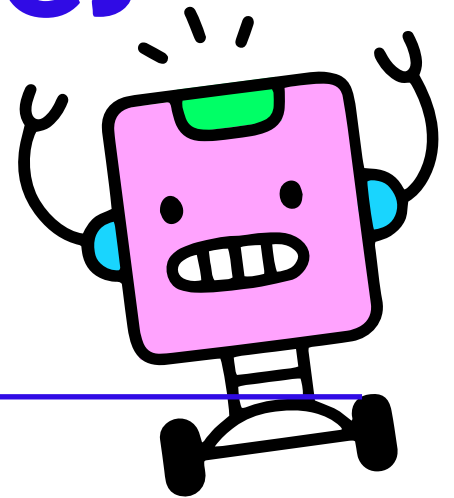
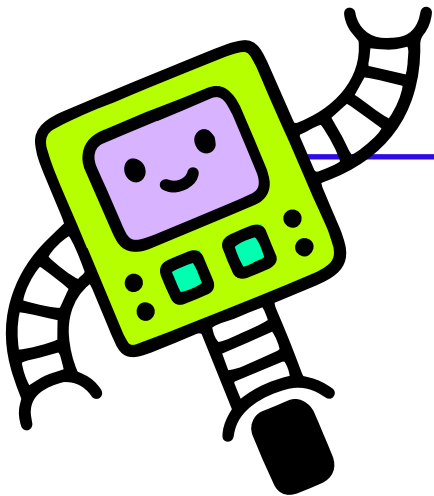
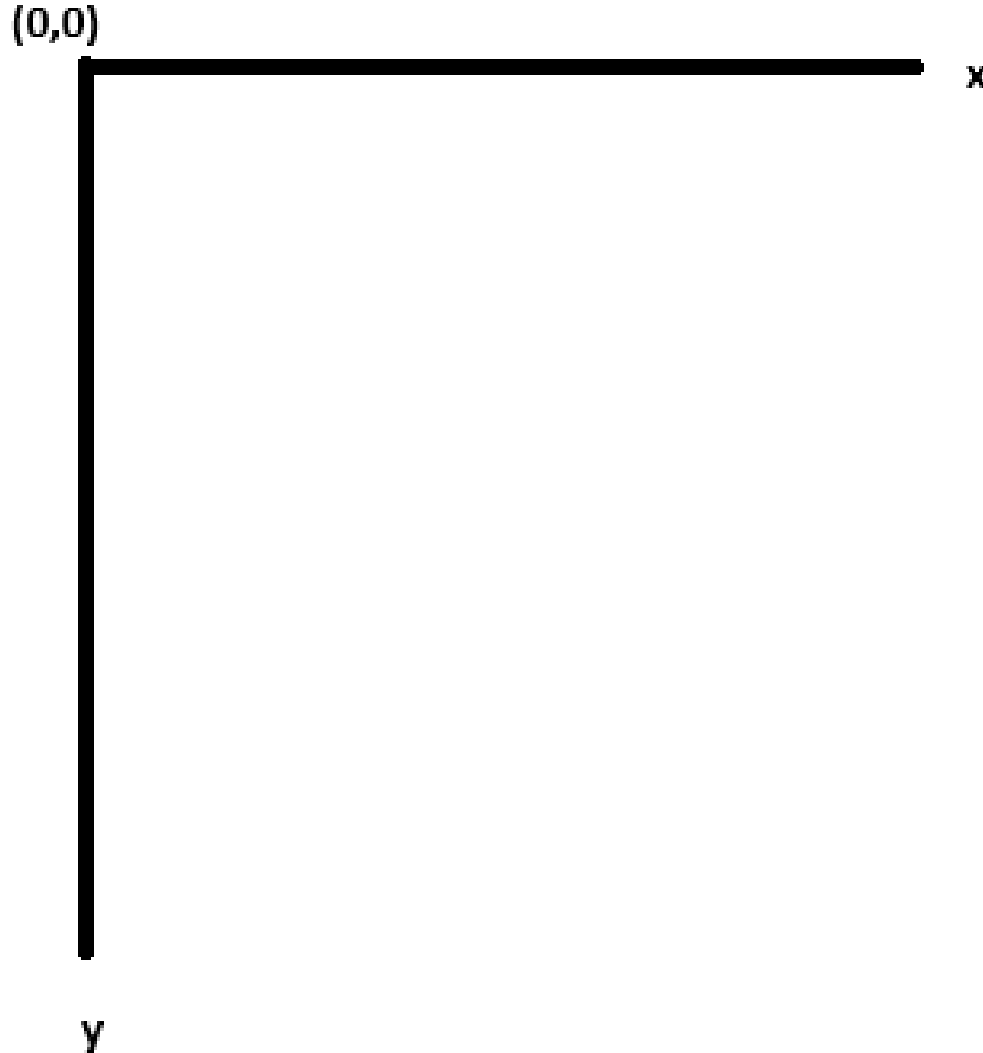


CMPT 140

Lab 2: Colour, Variables and Data Types



Review: P5 Coordinate System



If our canvas size is $(20,20)$, where would you find...

- a) A point at $(20,20)$
- b) A point at $(0, 10)$
- c) A point at $(20, 1)$

Exercises: **Colour** for Visual Output

Ex 1)

- a) What would be the result of calling:
`background(40)`
- b) In RGB colour space, what colour is (125, 255, 0)?
- c) How would you make violet in RGB colour space?

Ex 2) Using Thonny...

- a) Create a canvas with a blue background
- b) Create a yellow Circle, outlined in red
- c) Create a green rectangle at the bottom of your canvas

Exercises: Variables and Data Types

Ex 3)

- a) What would be the result of calling:
`point(width, height)`
- b) Which of the following are valid variable names:
`int`
`user_name`
`+magic`

Ex 4)

- a) Create a variable that holds a list of strings where each string is a city in Saskatchewan
- b) What would be the result of calling:
`print(1234e-2)`