Lesson 1.04: Variables

# Learning Objectives

* Define and identify: storing, mutable, variable assignment
* Describe how to set a variable

# Materials/Preparation

* Lab handout
* Read through the handout so that you are familiar with the requirements and can assist students

# Pacing Guide

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| Duration | Description |
| 5 Minutes | Welcome, attendance, bell work, announcements |
| 10 Minutes | Lecture |
| 30 Minutes | Lab |
| 10 Minutes | Discussion |

# Instructor’s Notes

1. Lecture
   1. Variables from snap
      1. Variable: A variable is a name that refers to a value.
      2. Variable assignment
         1. Show using a string
         2. Show using a int
      3. Variables can be printed or added together
         1. Show how to print out a
         2. Show how to change an int to a string to combine
      4. Variables can change or updated values
         1. Show reassigning a variable
         2. Show how to add a number to itself
2. Lab
   1. Make sure students feel comfortable saving things as variables and can print multiple things.
   2. Practice swapping a variable
3. Debrief
   1. Discuss how to print out multiple variables
   2. Why might variables be useful