Learning Objectives:
- Students will learn how to write simple conditional expressions in Python.

Standards:
9-12.CT.9 Systematically test and refine programs using a range of test cases, based on anticipating common errors and user behavior

Resources: Slides, Replit

Assessment: Student Discussions, Student Code

Aim: How do we write conditionals in Python?

Do Now: With a partner, consider the following question:
- What are conditionals? What are they used for?
  - This question asks students to recall what conditionals are used for in programming

Mini-lesson: Conditionals
- Students will be introduced to conditionals in Python.
  - We will compare conditionals in Scratch, Javascript and Python
- Students will take notes on conditional syntax in Python.
  - Emphasis on: spaces, order of statements
    - This will be fairly short as students already know what conditionals are.
  - They've also already used conditionals in a text-based language in Javascript.
  - As another access point, students will be shown the blocks in Scratch that relate to the same process.

Task 1: Vowel Checker
- Students will create a program to practice writing conditional statements.
  - Write a Python program in *Replit* that will ask the user for a letter input and then print "It's a vowel!" if the inputted letter is a vowel and "It's a consonant!" otherwise.
- Students may troubleshoot with a partner, but should complete their code individually.
- Teacher should circulate during this time!

Summary: Students will be asked to submit their code for this activity.