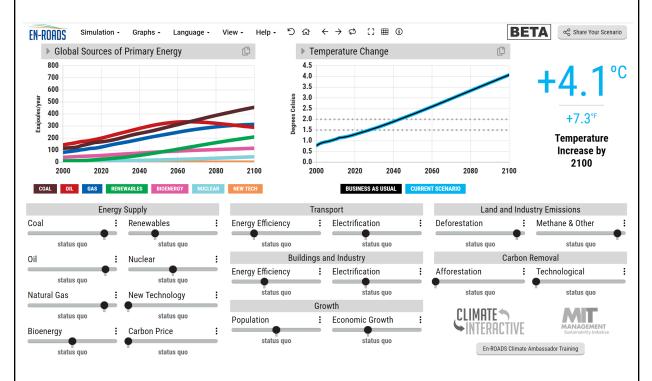
Lesson 1 - Introduction to Coding & Online Compilers Giving a machine instructions in a language so it can execute actions

Climate Simulators & Coding

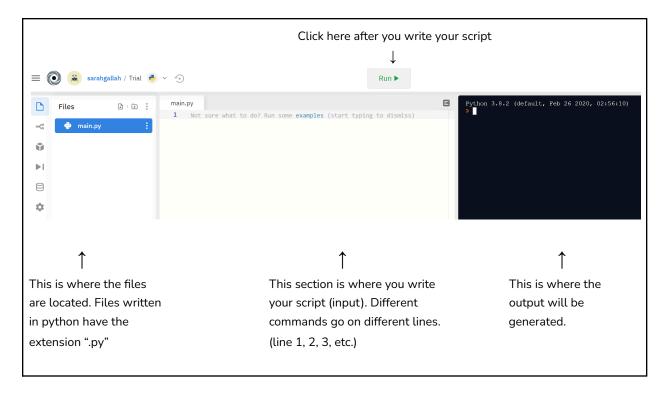
There are many different coding languages such as Python, C++, and Matlab that might sound familiar. Using a simulator, data can be inputted in a coding language to then be interpreted by a machine. En-roads, developed by Climate Interactive, Ventana Systems and MIT Sloan, is an example of a climate change simulator that allows you to explore the effects of different scenarios by allowing you to input policy changes and assess the impacts of your decisions with live feedback. It is a good example of how coding can be used to better understand our world, the consequences of our decisions on Earth's climate system, and potential solutions.



To read more about another application of coding, read <u>this National Geographic article</u> to learn how Hadi Partovi founded code.org and why he believes coding is important.

Part 1: Access an online compiler

- 1. Go to <u>repl.it</u> and create an account (if you'd like to save your work).
- 2. Scroll to the bottom of the page and select the language python.



Part 2: Program your first code!

- 3. Type in the script print("hello world")
- 4. Click on run.

