**Presentation Notes:**

1. What are the four functions of a computer program listed on the lesson slide?
2. Provide an example of a computer input that is not listed on the lesson slide.
3. Provide an example of a computer output that is not listed on the lesson slide.
4. Provide another example of how a computer input affects a computer output that is not listed on the lesson slide.
5. Provide an example of how changing the program changes how computer inputs affect computer outputs that is not listed on the lesson slide.
6. What are some examples of devices that are not traditional computers but that make use of computer programs?
7. Provide another example of a device that makes use of a computer program that is not listed on the lesson slide.
8. What is another term for a computer program?
9. What are some ways that computer software is different from computer hardware?
10. How are computer programs written?
11. Why are computer programs composed of many lines of computer code?
12. List some examples of different computer languages.
13. List some of the benefits of the Python computer language.
14. Once you finish this course, how could you answer someone who asks you "Do you know how to program in Java?"
15. Could you use Microsoft Word to write a computer program? Explain.
16. What does IDE stand for?
17. What are some features of an Integrated Development Environment?
18. What are some factors to consider when choosing an Integrated Development Environment?
19. What is the name of the IDE that we will be using to create our Python programs?
20. What version of Python will we be using?
21. Draw a sketch of the Repl interface showing the three work areas (panels)
    1. Label each panel
    2. Summarize the function of each panel

**Student Questions:**

1. Create an account for yourself at www.repl.it
   1. Review the "Terms of Service" to verify that you can legally use this service.
   2. Follow the previous discussed guidelines regarding use of personal information
2. List the part of the "Terms of Service" that verifies that you can legally use this service.

In the terms of service, the section that verifies that I can legally use this service is in the beginning. It states that “Your access to and use of the Service is conditioned upon your acceptance of and compliance with these Terms. These Terms apply to all visitors, users and others who wish to access or use the Service.”

1. Explain some of the rights that you give away to Repl.it regarding content you create using their service?

Repl.it takes has multiple rights over our account and the content we post on it. By signing a repl.it account you agree that repl.it has full ownership over the account and can terminate it if you break any of the terms of services. Repl.it also has rights to share the information you post on the website to limited third party applications. All service marks and logos (“Marks”) on the Service, are owned or licensed by Neoreason, subject to copyright and other intellectual property rights under the law.

1. Create a new Python repl and call it "Hello World".
2. Copy and paste the following program into the program panel (white area)

userName = input("Please type your name: ");

print("Hello", userName, "welcome to Python!")

1. Run the program to see what it does. (If necessary, fix the quotation marks so it runs properly.)
   1. Explain how the program works.

There are two screens, a black one and a white one. All the coding is done on the white screen and the output (result) of the code is shown on the black screen. So basically, if you were to type commands on the white screen, the result of those commands will be outputted to the black screen. To run the output, you must click play, which is on the top right. The red text is what the program says to you, and it asks you to type your name out, in which the user types their name out and the program welcomes you with command prompt.

* 1. Explain how you fixed the program (if necessary)

Did not have to fix

1. Try using the console pane (black area) to perform some simple calculations and run some one-line programs.
   1. Summarize some of your calculations.

It can follow and solve numerous amounts of math problems or commands. It can solve math equations correctly. If you type out something in quotations the console will repeat it back to you.

1. Try using the file management pane to add some files and folders to your repl.
   1. Summarize some of your additions.

I added a couple folders and files to the file management pane. Each new file has clean white script writing area, although the black screen remains untouched.