**Presentation Notes:**

1. **What are the four functions of a computer program listed on the lesson slide?**
   1. Input
   2. Output
   3. Mass Storage device
   4. System Unit
2. **Provide an example of a computer input that is not listed on the lesson slide.**

- Web Camera. A Web Cam is an input device that is able to record your face. The purpose of a Web Cam is to video call or live stream your face while gaming and may more.

1. **Provide an example of a computer output that is not listed on the lesson slide.**

- Head-Phones. A Head Phone is an output device that is able to silence noise outside and only display the noise in the headphones. One way you can use headphones are in a library. A library is a quiet place so this means that you must use headphones

1. **Provide another example of how a computer input affects a computer output that is not listed on the lesson slide.**

- Power Button decides when to turn off or on the computer. Buttons on the monitor decides when to turn off on the monitor.

1. **Provide an example of how changing the program changes how computer inputs affect computer outputs that is not listed on the lesson slide.**

- Photoshop vs. PowerPoint

- Settings vs. Animation

- Animation vs. Computer Games

- Settings vs. Photoshop

1. **What are some examples of devices that are not traditional computers but that make use of computer programs?**
   1. Game Pad
   2. TV
   3. Industrial Robots
   4. Kitchen Appliances
   5. Internet
2. **Provide another example of a device that makes use of a computer program that is not listed on the lesson slide.**

- Robot Calls. Robots Calls is an automated telephone call which delivers a recorded message, typically on behalf of a political party or telemarketing company.

1. **What is another term for a computer program?**

- Computer Software. Both means basically the same thing.

1. **What are some ways that computer software is different from computer hardware?**

- Software uses logic and easily changed. Hard ware uses physical stuff and it is hard to change.

1. **How are computer programs written?**

- Computer Programs are written in Plane Text. Computer programs are created using a   
keyboard and editor. Computer programs are stored in a file which may be loaded and executed by a computer. Computer programs can be written in many different Computer Languages.

1. **Why are computer programs composed of many lines of computer code?**

- Because each line is a simple command.

1. **List some examples of different computer languages.**
   1. Python
   2. C/C+
   3. Java for Web Application Development
   4. COBOL/SQL for Business
2. **List some of the benefits of the Python computer language.**
   1. Is a "professional" language with a large user base.
   2. Is good for prototyping small programs.
   3. It is a good beginner language.
   4. It is the language of choice for 1st year university courses.
3. **Once you finish this course, how could you answer someone who asks you "Do you know how to program in Java?"**

- “Yes I could pick up Java in a short period of time because I already know how to program a Computer so it would be easy.”

1. **Could you use Microsoft Word to write a computer program? Explain.**

- You could but it is not a good idea because it lacks the source for computer programing.

1. **What does IDE stand for?**

- An Integrated Development Environment (IDE) provides extra supports and tools designed specifically for creating and maintaining computer programs

1. **What are some features of an Integrated Development Environment?**
   1. Color coding of keywords
   2. Indentation and completion control
   3. Error Checking
   4. Runtime support and debugging
2. **What are some factors to consider when choosing an Integrated Development Environment?**
   1. How well does it support your chosen language?
   2. Is it web based or a download install?
   3. Other factors…
3. **What is the name of the IDE that we will be using to create our Python programs?**

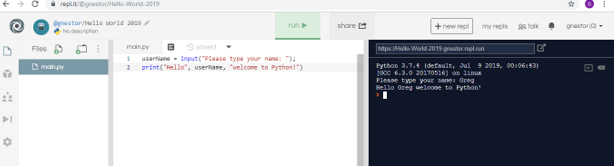
- The IDE that we will be using is Repl.it [Grab your reader’s attention with a great quote from the document or use this space to emphasize a key point. To place this text box anywhere on the page, just drag it.]

1. **What version of Python will we be using?**

- NOT Python 2.7. We will be using Python 3.7..

1. **Draw a sketch of the Repl interface showing the three work areas (panels)**
   1. Label each panel
   2. Summarize the function of each panel

Can’t Sketch Online



**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.

- Done

* 1. Follow the previous discussed guidelines regarding use of personal information

- Done

1. List the part of the "Terms of Service” that verifies that you can legally use this service.

- 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.

- By accessing or using the Service you agree to be bound by these Terms. If you disagree with any part of the terms, then you do not have permission to access the Service.

- They provide users with a hosted environment to practice coding and to build and deploy software and web servers, made available through our Service.

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

- You agree and acknowledge that Neoreason reserves the right to discontinue or revoke any of the foregoing rights and/or your access to the Service, or any aspect of the Service, at any time and without prior notice.

1. Create a new Python repl and call it "Hello World".

- Done

1. 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.

- When it runs, on the black side you have to type your name and it will say welcome to python. In the brackets I am guessing it’s a something manual you have to do.

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

- Was no Necessary

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.

- I wrote input("How are you” userName: ");

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

- Just made a file