**Student Questions:**

1. Refer to the lesson slides to do the following:
   1. Create a folder called “resources”
   2. Create a file called “myfile.txt”
   3. Select “myfile.txt” to be displayed in the Repl editor window
   4. Copy & paste the following text into “myfile.txt”

*Hello kind student\n*

*This is a message from your computer\n*

*I hope you are having fun learning to program\n*

*Remember to ask Mr. Nestor questions when you don’t understand.*

1. Refer to the lesson slides to create a program do the following:
   1. Open “myfile.txt” for reading
   2. Read each line from “myfile.txt” and print it to the console output
   3. Close “myfile.txt”
   4. Provide your program listing below.˶
2. Refer to the lesson slides to create a program do the following:
   1. Create “newfile.txt” and open it for writing
   2. Write several lines of text to the file
   3. Close “newfile.txt”
   4. Select “newfile.txt” to be displayed in the Repl editor window to confirm   
      the proper text was written
   5. Provide your program listing below.
3. Research “Python open() Text Files” to learn more about text files
   1. List and explain of the following modes: r, r+, w, w+, a, a+, x

open (r) = Read text and give the ability to reprint it

open (r+) = Allows you to edit and read a piece of text, this can be used to reprint or editing text

open (w) = Allows you to edit and read a piece of text, this can be used to reprint or editing text

open(w+) = Allows you to edit amd read a piece of text, as well as produce a new file for text if one is not already created, this can be used for file creation, reprinting or editing text

open (a) = This allows you to add to text or data to the end of a document

open (a+) = Allows you to add text or data to the end of a document or creates a document in order to produce the same effect

open (x) = Checks for a file, and creates it if it does not exist

1. Research “Python Binary Files” to learn more about binary data files
   1. List and explain of the following modes: t, b

open (t) = Allows you to open text, this is the default mode

open (b) = Allows you to open binary mode

* 1. Explain the difference between a text file and a binary file

One opens text, the other opens binary

* 1. List some applications that use text data files

For reading text, such as needing to display info to humans

* 1. List some applications that use binary data files

For numbers that computers can understand, such as needing to display text and data to applications (Chrome, Games, Text files, etc.)

**Extension Question: (Optional)**

1. Write a program to do the following:
   1. Open a file for read, write and append.
   2. Print the contents of the existing file to console output
   3. Ask the user to type a line of text on the console input and store the text in a variable
   4. Ask the user if they want to append or overwrite the text in the file
   5. If they say “append” then append the new text to the end of the file
   6. If they say “overwrite” then delete the existing text and just add the   
      new text to the file
   7. Provide your program listing below.