**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. fileHandle = open("resources/myfile.txt", "r")
   2. numLines = 0
   3. for line in fileHandle:
   4. print(line)
   5. numLines += 1
   6. print('number of lines is ', numLines)
   7. fileHandle.close()
2. Refer to the lesson slides to create a program do the following:
   1. fileHandle = open("newfile.txt", "w+")
   2. fileHandle.write('hi this is my new file\n')
   3. fileHandle.write('this text is necessary\n')
   4. fileHandle.write('this is the end of my text\n')
   5. fileHandle.close()
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
      1. R means read
      2. R+ means read and create if missing
      3. W means write
      4. W+ means write and create if missing
      5. A means append
      6. A+ means append and create if missing
      7. X means create
4. Research “Python Binary Files” to learn more about binary data files
   1. List and explain of the following modes: t, b
      1. B means binary
      2. T means text
   2. Explain the difference between a text file and a binary file
      1. They are both stored as 1’s and 0’s but text files are decoded when opened
   3. List some applications that use text data files
      1. Text editors
      2. Chrome
      3. Twitch
   4. List some applications that use binary data files
      1. Picture viewer
      2. OS
      3. Linux