# Tutorial 09 – Files

This tutorial is aimed at familiarising you with using files. It will also test you on the use of file-based functions, methods and loops.

Do not worry if you can’t do all the exercises, especially the difficult ones. Give them a try and if you are stuck, ask your tutor.

For each exercise you should make a copy of the example you are working on **before you modify it**. In that way you will have both your new version and the original version to compare it with.

You should make a record all of your work in your COMP1753 logbook.

1. Download the examples and last week’s solutions. Check through the solutions and make sure you could do them all**.** Unzip this week’s examples.
2. Make a copy of 07File\_search and convert it to do case-insensitve search.
3. Create a program which does a word count of each text (.txt) file that it encounters. The program should remove the punctuation before counting the words.
4. Write a program which loops repeatedly and asks the user for a string each time. The program should write each string to a log file as a new line. When the user enters an empty string, the loop should terminate and the program should report how many lines have been written to the log file.
5. Read the w3schools page mentioned in the lecture :
   1. <https://www.w3schools.com/python/python_file_handling.asp>
   2. <https://www.w3schools.com/python/python_file_open.asp>
   3. <https://www.w3schools.com/python/python_file_write.asp>
   4. <https://www.w3schools.com/python/python_file_remove.asp>
   5. <https://www.w3schools.com/python/python_try_except.asp>