

Using `os.walk`, write a script in Python that:

- reads all the file names from a directory (5 pts);
- finds the longest file name, the shortest file name, the first file name with its second letter c, the last file name with its last letter c (2 x 6 pts);
- counts the number of files with each extension in the directory (10 pts);
- sorts the extensions in descending order based on their frequency
  - > if 2 extensions have the same frequency, use their second letter as a sort criterion (10 pts);
- writes the answers in a file as "key: value" (7 pts);
- parses a command line argument that represents the directory being read (sent using the `argv` array by the user)
- run your script using the command line (passing the directory path as an argument) and place the command you used to run it in a comment inside your script (6 pts);

Notes:

- the code should run correctly and have a main function called (2 pts)
- if the code is written in C style, you only get 75% of the maximum points per item!

<https://forms.gle/QFLWgrScPqdzwtPd9>