Unit testing of the display\_filtered\_table function

The objective of the function is to print the contents of a csv file to the terminal row by row, starting with the header, only printing rows which match the searchword.

The function takes as input a string which is the name of the file to read, and a string for the searchword.

The input domain can be divided into four equivalence classes (EC):

1. Valid filenames
2. Invalid filenames
3. Invalid file contents
4. Valid file contents
5. Successful searches
6. Failed searches

For each EC, we need to test at least one input.

This leads to the following test requirements:

R1. If filename is invalid, function should throw an exception.

R2. If file contents are invalid, function should throw an exception.

R3. If file name and contents are valid, and the rows match the searchword, the rows should be printed to the terminal.

R4. If file name and contents are valid, and the rows do not match the searchword, the rows should not be printed to the terminal.

Using these guidelines, the tests in the test specification file was created, which tests all equivalence classes and tests that the outputs are correct.