**Data Structure Searching Algorithms assignments**

1. Refer the code in “Binary Search” in socodery folder. Modify the existing implementation to include the following operations.

a. Read lines instead of words

b. Sort the remaining lines

c. Search for a line and if found delete the line

d. Final list of lines after above operations to be written to a file out.txt

Add required functions

Test with dataset below

Line 9- 90 words

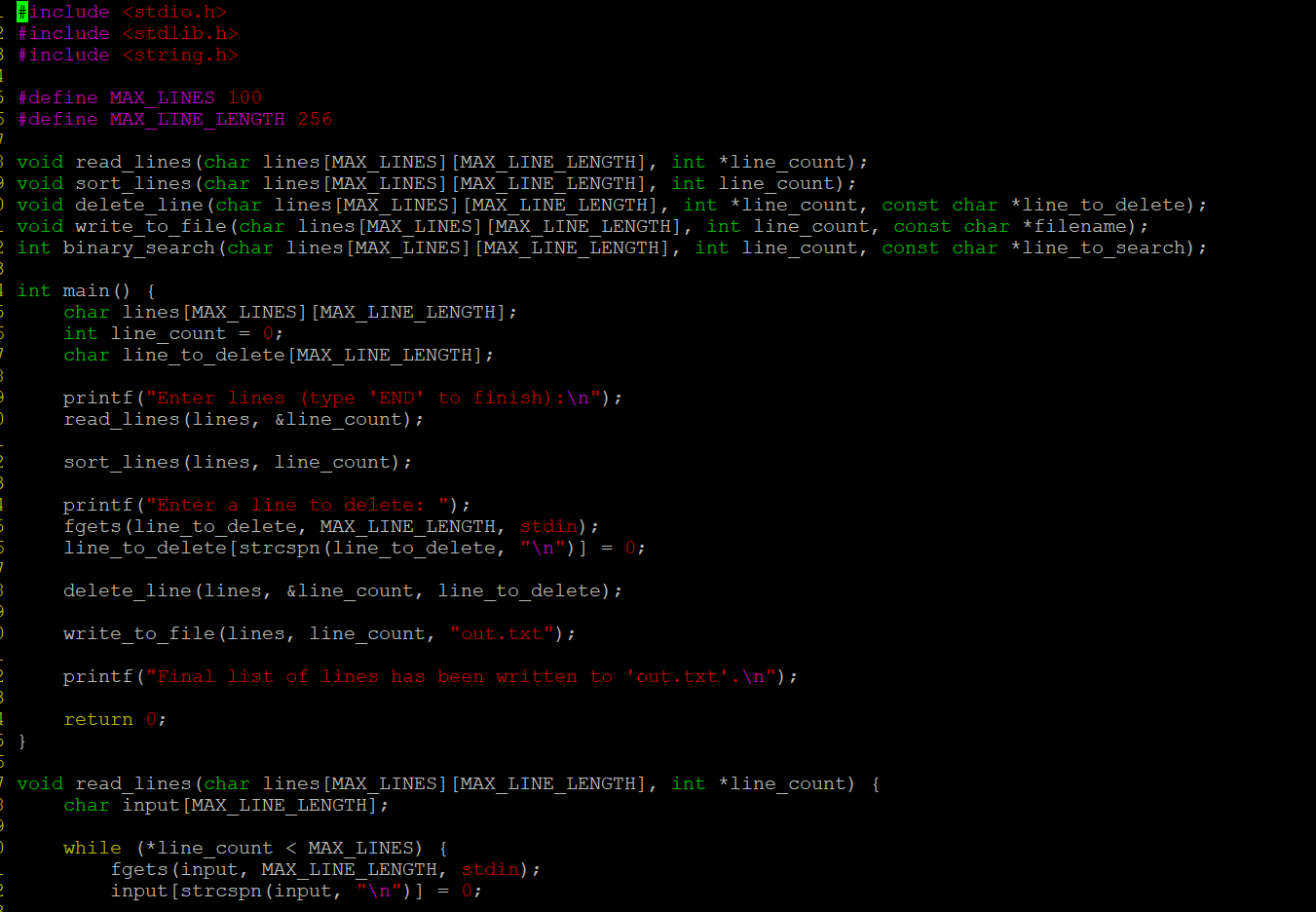
Line 2 - 89 words

Line 7-45 words

Line 3 -45 words

Line 4 -45 words

Line 3 -45 words



A screenshot of a computer program

Description automatically generated

A screen shot of a computer program

Description automatically generated

OUTPUT:

A screen shot of a computer

Description automatically generated