# Programming pre-screening exercise

Although Python is the preferred programming language for this exercise we will also accept implementations in any other programming language.

# Banned words

Write a command-line program that reads two plain text files:

* The first file contains a list of banned words, one per line
* The second file contains English prose

The script needs to read both files and print to stdout the contents of the second file, replacing the banned words with one \* per original character.

### Example

banned\_words.txt:

**fudge**

**secret**

prose.txt:

**There are some words that one must not say such as fudge and secret - everything else is fine!**

Script output:

**There are some words that one must not say such as \*\*\*\*\* and \*\*\*\*\*\* - everything else is fine!**

RAM and CPU consumption are important – the program should be optimised to deal with several thousands of banned words and a prose input that is several gigabytes long.

Write the program as it was meant to be used in production – complete with automated tests and inline documentation.