# Technical Exercise

Thank you for your time and interest in joining our software development team. Please take the time to answer the following question, submitting your answer within 48 hours of receipt of this document.

## Question 1

Some English words consist of letters that appear more than once. Write a function (or functions) that takes a text input and returns a text output with the words ordered based on maximum occurrence of any single character. Any words with the same maximum occurrence of any single character should be output in the order in which they appear in the input text.

The text sample will contain only alphabetic characters, whitespace, and punctuation marks. All words will be separated by whitespace. A letter is considered the same regardless of its casing (ie: upper and lowercase are the same).

Solutions written in C#, Java, or Python will be accepted.

### Example

Input: “The best way to predict the future is to create it.”

Output: “future create The best way to predict the is to it.”

## Question 2

Please look at the following JSFiddle and respond with any recommended changes that you would make to improve the functionality of this JavaScript snippet.

<https://jsfiddle.net/c6L6q06t/1/>