# WWIIS Services Ltd

## PHP Skills Test

Thank you for submitting your application to WWIIS Services Ltd, we’re glad to offer you this opportunity to demonstrate your skills with the following programming challenges.

## Letter Counter

For this test we’d like you to create a method called countLettersInString inside the provided class LetterCounter (see email attachment). The method should take a single string parameter and return a string containing each case-insensitive letter in the parameter followed by a colon and an asterisk for each occurrence of the letter, separated by a commas, with no spaces.

Example:  
Input: “WWIIS Services Ltd”  
Output: “w:\*\*,i:\*\*\*,s:\*\*\*,e:\*\*,r:\*,v:\*,c:\*,l:\*,t:\*,d:\*”

## Get Key Holders

A script has been written to retrieve the people who have a key to access a local community hall from a database. The database has two tables, the first is key\_holders, which stores the name of the person, the type of key they have been given (a “master” key to open all doors, a “safe” key to access the safe, and a “front door” key), whether their key is still active and in use, and finally in which order they should be contacted in an emergency. The second table is contact\_details which holds the name of the person and their contact telephone number.

A number of bugs and errors exist in the script which you’ll need to identify and fix. For each fault found, include a comment on what the fault was, the errant behaviour it caused, and how you fixed it, along with any other comments you feel are relevant.