

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.