

WAD LABORATORY 3

1 Objectives covered in this laboratory

- ❑ To develop an understanding of associative arrays, the basic use of string, file and array functions in PHP.

2 Exercises

NOTE: Questions (a) to (c) are required exercises for all students, while Question (d) is an additional exercise.

a) (3pt) What is the final fourth element value in array \$fruit?

```
$fruit = array ("one"=>"grapes", "two"=>"banana", "three"=>"cherry", "four"=>"apple");  
asort ($fruit);
```

Your answer:_____

If ksort is used instead of asort, what is the final fourth element value in array \$fruit?

Your answer:_____

b) (3pt) Write a PHP file that tests whether a word or phrase, entered by a user through a text box in a form is a perfect palindrome (see Figure 1). A palindrome is a word, phrase, number, or other sequence of symbols or elements, whose meaning may be interpreted the same way in either forward or reverse direction.

Hint: one solution is to use the String functions: strev & strcmp – see:

http://www.w3schools.com/php/php_ref_string.asp

<http://php.net/manual/en/ref.strings.php>



Figure 1 check for perfect palindrome

- c) (4pt) Understand the code `bowling_registration.php` & `bowling_admin.php` (download Lec3Examples in Lecture 3 on Canvas). Write a phone number search function using PHP. You should provide an input textbox on the page to let user input the name in the bowling club (see Figure 2), after user click the “search” button, the phone number of that name is shown on the page.

Tips:

- 1) You should first use `bowling_registration.php` to create the list of names and phone numbers (`../data/bowlers.txt`). Then use `bowling_admin.php` to view the list
- 2) In your PHP code for phone number search, you should search the list (`../data/bowlers.txt`).

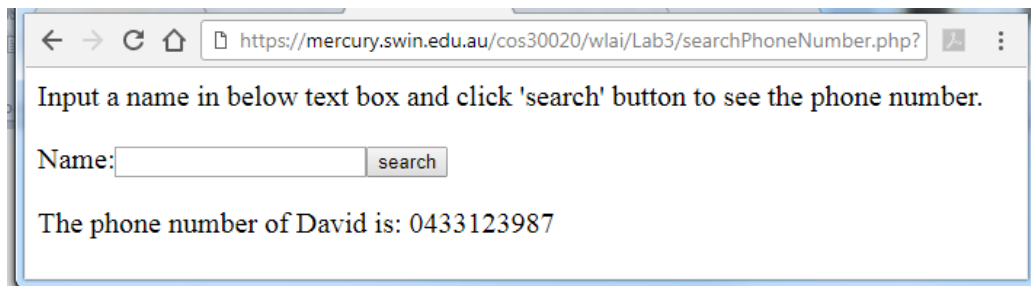


Figure 2 search the phone number based on a name in the bowling club

- d) Change the simple online quiz PHP page that you wrote for exercise (e) in Lab2. Instead of hard coding the questions on the HTML page, you need to store them in a file. You also need to store the answers in a file and this file can be the same as the file for questions, or simply a different file. When the page is loaded, it will read the questions from the file and display them on the screen. So if questions/answers are changed, this program can be used without modifying any of PHP codes.