

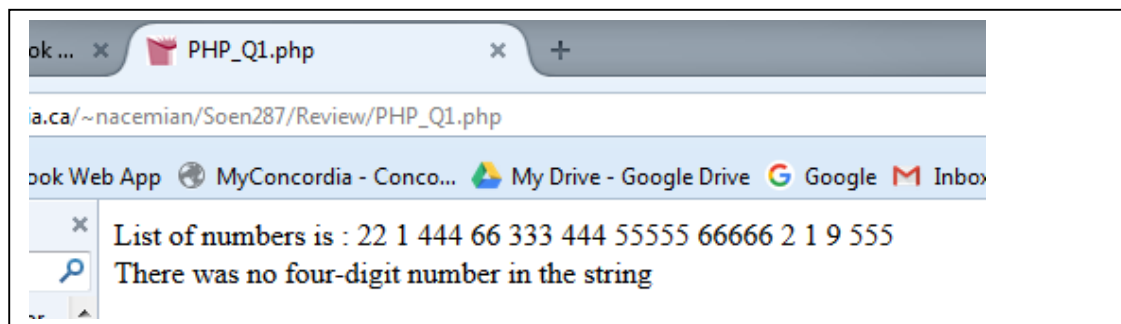
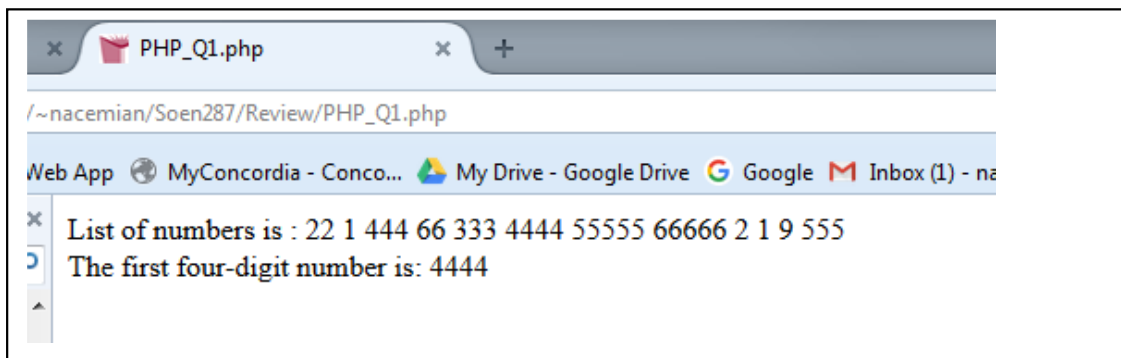
## SOEN287 – PHP In-Class Problem Solving Session

These questions are aimed at helping you evaluate your comfort level with PHP scripts before we start with PHP and form handling and sessions. The questions are based on exercises at the end of Chapter 9

### **Question 1:** (Based on Q. 9.4)

Write a PHP function which takes as parameter a string of numbers separated by spaces and returns the first 4-digit number in the string; false if none. Declare a variable outside of the function and initialize it to it a list of numbers. Display the string of numbers before calling the function and the number returned by the function that is the first 4-digit number found.

Here are two sample output screen:



## **Question 2:** (Based on Q. 9.6)

Write a PHP function which takes as parameter a string containing words that are delimited on the left with spaces and on the right with spaces, commas, periods, or question marks and returns the three most common words in the string that have more than three letters. Write the function and code to test it.

You may find the function

`preg_match_all(string $pattern, string $subject, array &$matches)` useful, where `$pattern` is a regular expression, `$subject` the string that is being searched, and the array `&$matches` containing all of the words that match the pattern.

Note `$matches[0]` contains array of strings that matched full pattern (as there is possibility with this function to supply more than one sub-pattern to match – you can look it up if you are interested.)

Here is a sample output screen given the following string:

```
$test_str = " apples. are, good? for, you, or, don't? you, like? apples, or. maybe. you, like,
                                                    oranges, better. than. apples?";
```

The words are: apples.

The words are: are,

The words are: good?

The words are: for,

The words are: you,

The words are: or,

The words are: you,

The words are: like?

The words are: apples,

The words are: or.

The words are: maybe.

The words are: you,

The words are: like,

The words are: oranges,

The words are: better.

The words are: than.

The words are: apples?

The Three Most Frequently Occurring Words

you

apples

like