

Source File: ~/public.html/lab13.php
Input: URL
Output: Standard Output
Value: 2

The digits in the Social Security Number (SSN) allow for the orderly assignment of numbers. The number is divided into three parts: the area, group and serial numbers.

The first three (3) digits (area) of a person's Social Security Number are determined by the ZIP Code of the mailing address shown on the application for a Social Security Number. Any number beginning with 000 will **never** be a valid SSN.

Within each area, the group number (middle two (2) digits) range from 01 to 99 but are not assigned in consecutive order. For administrative reasons, group numbers issued first consist of the **odd** numbers from 01 through 09 and then **even** numbers from 10 through 98, within each area number allocated to a state. After all numbers in group 98 of a particular area have been issued, the **even** groups 02 through 08 are used, followed by **odd** groups 11 through 99. Within each group, the serial numbers (last four (4) digits) run consecutively from 0001 through 9999.

The purpose of this lab is to write a program that will accept a value representing a Social Security Number and determine if the number is valid or invalid. Use a regular expression to make this determination.

Your program will accept a string from the URL via which the program is accessed. Let this string represent the Social Security Number that is to be tested. The output should be formatted as shown in the instructor's version of this program.

You may also find it helpful to look at the example program on the instructor's page that determines the validity of a North American telephone number.

Some additional notes for this assignment:

- Insert an HTML comment at the top of the document identifying you as the author, the class, and the assignment number.
- Add an echo statement to the beginning of the script section that will display your name, the course number, and the assignment number.
- Since this assignment uses several PHP code blocks, it's always a good idea to check for syntax errors. You can do this by using the -l option to the php command at the command line as in

```
1 newuser@csunix ~/public_html> php -l lab13.php
2 No syntax errors detected in lab13.php
```

- You should always validate the rendered HTML code. The validator is discussed near the top of p. 6 and in Appendix A on pp. 629–631. By including the following link and image, a user will be able to click the image and receive a report from the validator.

```
1 <?php
2 $location = 'https://' . $_SERVER['HTTP_HOST'] . $_SERVER['REQUEST_URI'];
3 $location = urlencode($location);
4 echo '<a href="https://validator.w3.org/nu/?doc=' . $location . '">';
5 ?>
6 
8 </a>
```

After the document is valid, open it in your Web browser to see how it renders.

Upon completion of this assignment, submit your source file via Blackboard.