

Lab Exercises 5

Dr. Sarvar Abdullaev
s.abdullaev@inha.uz

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The purpose of this lab is to practice Regular Expressions and Session/Cookies.

1 Regular Expressions

In this exercise, you are supposed to practice regular expressions. They are very helpful in validating user input, processing strings and extracting required data. For quick reference and online checking of your RegEx patterns you can use <http://gskinner.com/RegExr/>.

Download this <https://tinyurl.com/zkzqrw2> rar file and review the containing `regex_valid_form.php` file. It tells you if particular RegEx pattern matches given text.

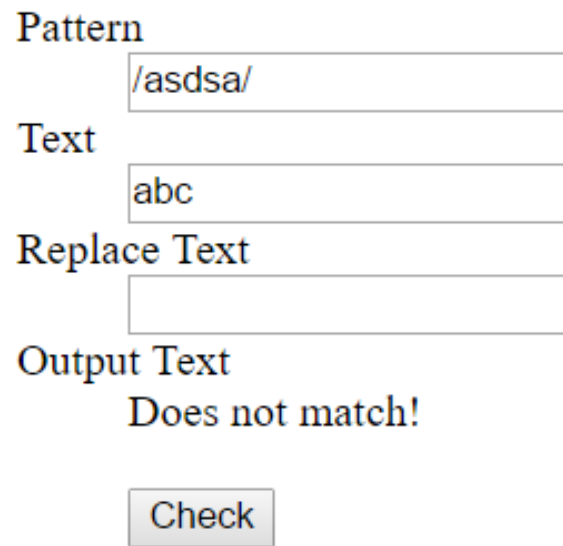
Make following tests and if necessary modifications to the code to fulfill below tasks:

- A. Check if a string contains another string. For ex, check if string 'The quick brown fox' contains word 'quick'.
- B. Check if a string contains an email string.
- C. Check if a string contains a phone number of format +998-##-###-####, for ex (+998-97-144444).
- D. Write a PHP script that removes the whitespaces from a string. Sample string: 'The quick " " brown fox'. Expected Output : Thequick""brownfox
- E. Write a PHP script to remove nonnumeric characters except comma and dot. '\$123,34.00A' \Rightarrow 12,334.00
- F. Write a PHP script to remove new lines (characters) from a string.
"Twinkle, twinkle, little star,
How I wonder what you are.
Up above the world so high,
Like a diamond in the sky." \Rightarrow
"Twinkle, twinkle, little star, How I wonder what you are. Up above the world so high, Like a diamond in the sky."
- G. Write a PHP script to extract text (within parenthesis) from a string.
'The quick brown [fox].' \Rightarrow 'fox'

2 Cookies and Sessions

In this section you should use cookies and sessions to store user data across different pages.

- A. Write a page `poweranimal.php` that chooses a random "power animal" for the user. The page should remember what animal was chosen for the user and show it again each time they visit the page. It should also count the number of times that user has visited the page. If the user selects to "start over," the animal and number of page visits should be forgotten.



A web form for pattern validation. It consists of five input fields and a button. The first field is labeled 'Pattern' and contains the text '/asdsa/'. The second field is labeled 'Text' and contains the text 'abc'. The third field is labeled 'Replace Text' and is empty. The fourth field is labeled 'Output Text' and contains the text 'Does not match!'. The fifth field is a button labeled 'Check'.

Pattern

/asdsa/

Text

abc

Replace Text

Output Text

Does not match!

Check

Figure 1: Pattern Validation Form

- B. Write a page `login.php` where user enters his login and password. Your PHP script has to check user for some hardcoded login/password (if you have time you can keep them in external text file) and signs him in where he is shown some secret image. This image has to be shown until the user presses "Log out" button. Once the user logs out, the initial login form needs to be shown.