**INHA UNIVERSITY TASHKENT DEPARTMENT OF CSE & ICE**

**SPRING SEMESTER 2022**

**SOC2110 - Internet PROGRAMMING**

**Lab 3**

INSTRUCTIONS :

* All Lab assignments are to be completed by an individual student on his/her computer system and not in groups
* Screen shots are to be provided wherever necessary
* Lab Assignment Report should be prepared. As a template use standard university template wherever necessary (I’ll announce then it is required) .
* Last date for submission of the Lab Assignment is February 25 - Late submissions not entertained, Adhere to the deadline strictly

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**Assignment:**

1. $color = array('white', 'green', 'red'')   
   Write a PHP script which will display the colors in the following way :  
   *Output :*  
   white, green, red,

* Green
* Red
* White

**Answer:**

<?php

$color = array('white', 'green', 'red');

foreach ($color as $i)

{

echo "$i, ";

}

sort($color);

echo "<ul>";

foreach ($color as $a)

{

echo "<li>$a</li>";

}

echo "</ul>";

?>

1. $ceu = array( "Italy"=>"Rome", "Luxembourg"=>"Luxembourg", "Belgium"=> "Brussels", "Denmark"=>"Copenhagen", "Finland"=>"Helsinki", "France" => "Paris", "Slovakia"=>"Bratislava", "Slovenia"=>"Ljubljana", "Germany" => "Berlin", "Greece" => "Athens", "Ireland"=>"Dublin", "Netherlands"=>"Amsterdam", "Portugal"=>"Lisbon", "Spain"=>"Madrid", "Sweden"=>"Stockholm", "United Kingdom"=>"London", "Cyprus"=>"Nicosia", "Lithuania"=>"Vilnius", "Czech Republic"=>"Prague", "Estonia"=>"Tallin", "Hungary"=>"Budapest", "Latvia"=>"Riga", "Malta"=>"Valetta", "Austria" => "Vienna", "Poland"=>"Warsaw");

Create a PHP script which displays the capital and country name from the above array $ceu. Sort the list by the capital of the country.

Sample Output:  
The capital of Netherlands is Amsterdam   
The capital of Greece is Athens   
The capital of Germany is Berlin

**Answer:**

<?php

$ceu = array( "Italy"=>"Rome", "Luxembourg"=>"Luxembourg", "Belgium"=> "Brussels", "Denmark"=>"Copenhagen", "Finland"=>"Helsinki", "France" => "Paris", "Slovakia"=>"Bratislava", "Slovenia"=>"Ljubljana", "Germany" => "Berlin", "Greece" => "Athens", "Ireland"=>"Dublin", "Netherlands"=>"Amsterdam", "Portugal"=>"Lisbon", "Spain"=>"Madrid", "Sweden"=>"Stockholm", "United Kingdom"=>"London", "Cyprus"=>"Nicosia", "Lithuania"=>"Vilnius", "Czech Republic"=>"Prague", "Estonia"=>"Tallin", "Hungary"=>"Budapest", "Latvia"=>"Riga", "Malta"=>"Valetta", "Austria" => "Vienna", "Poland"=>"Warsaw");

asort($ceu);

foreach($ceu as $country => $capital)

{

echo "The capital of $country is $capital <br>";

}

?>

1. There are key-value pairs in regular file.

Example of file:

Color red

Name Maftuna

Age 21

Id U555777

…

Create a PHP script which reads data from file next store in in associative array and finally displays all data like in example:

Key: “Color” Value: “red”

Key: “Name” Value: “Maftuna”

Key: “Age” Value: “21”

Key: “Id” Value: “U555777”

**Answer:**

<?php

$info = array();

$text = file\_get\_contents("input.txt");

foreach (file("input.txt") as $line) {

list($key, $value) = explode(' ', $line, 2) + array(NULL, NULL);

if ($value !== NULL) {

$info[$key] = $value;

}

}

foreach ($info as $key => $value) { ?>

Key: "<?php echo $key ?>" Value: "<?php echo $value ?>" <br>

<?php } ?>

1. Write a PHP script that inserts a new item in an array in any position. [Go to the editor](https://www.w3resource.com/php-exercises/php-array-exercises.php#editorr)*Expected Output:*  
   Original array:   
   1 2 3 4 5   
   After inserting '$' the array is:  
   1 2 3 $ 4 5

Hint: use array\_splice function

**Answer:**

<?php

$a = array('1','2','3','4','5');

foreach ($a as $x) {

echo "$x ";

}

echo "<br>";

$y = '$';

array\_splice($a,3,0,$y);

foreach ($a as $x) {

echo "$x ";

}

?>