**1.**$color = array('white', 'green', 'red', 'blue', 'black');  
Write a script which will display the following string -   
"The memory of that scene for me is like a frame of film forever frozen at that moment: the red carpet, the green lawn, the white house, the leaden sky. The new president and his first lady. - Richard M. Nixon"  
and the words 'red', 'green' and 'white' will come from $color.

Answer

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| <?php  $color = array('white', 'green', 'red', 'blue', 'black');  echo "The memory of that scene for me is like a frame of film forever frozen at that moment: the $color[2] carpet, the $color[1] lawn, the $color[0] house, the leaden sky. The new president and his first lady. - Richard M. Nixon";  ?> |

**2.**$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

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| <?php  $color = array('white', 'green', 'red');  echo "$color[0], $color[1], $color[2],<br> <ul><li>$color[1]</li><li>$color[2]</li><li>$color[0]</li>";  ?> |

**3.**$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   
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answer

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| <?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") ;  foreach( $ceu as $name => $value )  {  echo "The capital of <em>$name</em> is <strong>$value</strong> <br />";  }  ?> |

**5.** $color = array(4 => 'white', 6 => 'green', 11=> 'red');  
Write a PHP script to get the first element of the above array.   
*Expected result:* white

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| <?php  $color = array(4 => 'white', 6 => 'green', 11=> 'red');  echo $color[4];  ?> |

**7.** Write a PHP script that inserts a new item in an array in any position.   
*Expected Output:*  
Original array:   
1 2 3 4 5   
After inserting '$' the array is:  
1 2 3 $ 4 5

Answer

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| <?php  $angka = array('1','2','3','4','5');  $tambah = array( '$' );  foreach ($angka as $value) {  echo " ".$value;  }  echo "<br>After inserting '$' the array is:";  foreach ($angka as $value) {  echo " ".$value;  if ($value==3) {  echo " $";  }  }  ?> |

**8.** Write a PHP script to sort the following associative array:   
array("Sophia"=>"31","Jacob"=>"41","William"=>"39","Ramesh"=>"40") in   
a) ascending order sort by value  
b) ascending order sort by Key  
c) descending order sorting by Value  
d) descending order sorting by Key

Answer

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| <?php  echo "value before sort <br>";  $name = array("Sophia"=>"31","Jacob"=>"41","William"=>"39","Ramesh"=>"40");  foreach($name as $x => $x\_value) {  echo "Key=" . $x . ", Value=" . $x\_value;  echo "<br>";  }  asort($name);  echo "<br>a ascending order sort by value <br>";  foreach($name as $x => $x\_value) {  echo "Key=" . $x . ", Value=" . $x\_value;  echo "<br>";  }  echo "<br>b ascending order sort by Key <br>";  ksort($name);  foreach($name as $x => $x\_value) {  echo "Key=" . $x . ", Value=" . $x\_value;  echo "<br>";  }  echo "<br>c descending order sorting by Value <br>";  arsort($name);  foreach($name as $x => $x\_value) {  echo "Key=" . $x . ", Value=" . $x\_value;  echo "<br>";  }  echo "<br>d descending order sorting by Key <br>";  krsort($name);  foreach($name as $x => $x\_value) {  echo "Key=" . $x . ", Value=" . $x\_value;  echo "<br>";  }  ?> |

**9.** Write a PHP script to calculate and display average temperature, five lowest and highest temperatures.   
Recorded temperatures: 78, 60, 62, 68, 71, 68, 73, 85, 66, 64, 76, 63, 75, 76, 73, 68, 62, 73, 72, 65, 74, 62, 62, 65, 64, 68, 73, 75, 79, 73  
*Expected Output:*  
Average Temperature is: 70.6   
List of seven lowest temperatures: 60, 62, 63, 63, 64,   
List of seven highest temperatures: 76, 78, 79, 81, 85,

Answer

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| <?php  $temp = array(78, 60, 62, 68, 71, 68, 73, 85, 66, 64, 76, 63, 75, 76, 73, 68, 62, 73, 72, 65, 74, 62, 62, 65, 64, 68, 73, 75, 79, 73);  echo "Recorded Temperature : <br>";  foreach ($temp as $key => $value) {  echo $value." ";  }  echo "<br>average temperature : ";  foreach($temp as $key => $value)  {  array\_push($temp,@array\_pop(explode('|',$value)));  }  echo $avg = array\_sum($temp)/count($temp);  echo "<br>List seven highest temperature : ";  rsort($temp);  $tes=array\_slice($temp, 0,5);  foreach($tes as $ok)  {  echo $ok." ";  }  echo "<br>List seven lowest temperature : ";  sort($temp);  $tes=array\_slice($temp, 0,5);  foreach($tes as $ok)  {  echo $ok." ";  }  ?>  **//This is hard** |

**12.** Write a PHP function to change the following array's all values to upper or lower case.   
*Sample arrays*:   
$Color = array('A' => 'Blue', 'B' => 'Green', 'c' => 'Red');  
*Expected Output*:   
Values are in lower case.  
Array ( [A] => blue [B] => green [c] => red )   
Values are in upper case.  
Array ( [A] => BLUE [B] => GREEN [c] => RED )

Answer

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| <?php  $Color = array('A' => 'Blue', 'B' => 'Green', 'c' => 'Red');  $Color = array\_map('strtolower', $Color);  print\_r($Color);  echo"<br>";  $Color = array\_map('strtoupper', $Color);  print\_r($Color);  ?> |

**13.** Write a PHP script which displays all the numbers between 200 and 250 that are divisible by 4.   
Note: Do not use any PHP control statement.   
*Expected Output*: 200,204,208,212,216,220,224,228,232,236,240,244,248

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| <?php  for ($i=200; $i <=250 ; $i++) {  if ($i%4==0) {  echo $i.",";  }  }  ?> |

**14.** Write a PHP script to get the shortest/longest string length from an array.   
*Sample arrays*: ("abcd","abc","de","hjjj","g","wer")  
*Expected Output*: The shortest array length is 1. The longest array length is 4.

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| <?php  $ini = array("abcd","abc","de","hjjj","g","wer");  $hitung = array\_map('strlen', $ini);  echo "The shortest array length is " . min($hitung) .". The longest array length is " . max($hitung).'.';  ?> |

**15.** Write a PHP script to generate unique random numbers within a range.   
*Sample Range:* (11, 20)   
*Sample Output*: 17 16 13 20 14 19 18 15 11 12

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| <?php  $n = 10;  $data = range(11, 20);  $rand = array\_rand($data,$n);  for($i=0; $i<$n; $i++)  {  echo $rand[$i]." ";  }  ?>  **Hard** |

**16.** Write a PHP script to get the largest key in an array.

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| <?php  $arr=array(2,4,6,8,10,24,345,645,6,75,6756,76,86,78,96,9);  echo(max($arr) . "<br>");  ?> |

**17.** Write a PHP function that returns the lowest integer that is not 0.

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| <?php  $arr=array(0,0,0,0,2,4,6,0,8,10,24,345,645,6,75,6756,76,86,78,96,9);  echo(min(array\_filter($arr)) . "<br>");  ?> |

**36.** Write a PHP script to lower-case and upper-case, all elements in an array.

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| <?php  $original = array( "Biasa", "AlAy", "BESAR", "kecil", "CAMpur");  print\_r($original);  echo"<br>";  $lower = array\_map('strtolower', $original);  print\_r($lower);  echo"<br>";  $upper = array\_map('strtoupper', $original);  print\_r($upper);  ?> |

**37.** Write a PHP script to count the total number of times a specific value appears in an array.

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| <?php  function count\_array\_values($my\_array, $match)  {  $count = 0;    foreach ($my\_array as $key => $value)  {  if ($value == $match)  {  $count++;  }  }    return $count;  }  $colors = array("c1"=>"Red", "c2"=>"Green", "c3"=>"Yellow", "c4"=>"Red");  echo "\n"."Red color appears ".count\_array\_values($colors, "Red"). " time(s)."."\n";  ?>  **HARD** |