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1 <?php
2 /* Practical-4:
3 a) Write a PHP script to find unique elements from two associative arrays.
4 b) Write a PHP script to calculate matrix multiplication of indexed array.
5
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9
10 // PART A
11 header('Content-type: text/plain');
12 $array1 = array(
13     "name" => "Tony",
14     "age" => 25,
15     "city" => "Manhattan" );
16 $array2 = array(
17     "name" => "Pepper",
18     "city" => "Manhattan",
19     "country" => "United States" );
20 $uniqueElements1 = array_diff_assoc($array1, $array2);
21 $uniqueElements2 = array_diff_assoc($array2, $array1);
22 echo "Practical4(A)\n-->> Unique Elements in First Array: \n";
23 print_r($uniqueElements1);
24 echo "\n-->> Unique Elements in Second Array: \n";
25 print_r($uniqueElements2);
26
27 // PART B
28 $matrixA = array(
29     array(1, 1, 1),
30     array(2, 2, 2) );
31 $matrixB = array(
32     array(9, 9),
33     array(9, 9),
34     array(9, 9));
35 $rowsA = count($matrixA);
36 $colsA = count($matrixA[0]);
37 $rowsB = count($matrixB);
38 $colsB = count($matrixB[0]);
39 if ($colsA !== $rowsB) {
40     echo "Matrix multiplication is not possible.";
41 } else {
42     $result = array();
43     for ($i = 0; $i < $rowsA; $i++) {
44         for ($j = 0; $j < $colsB; $j++) {
45             $result[$i][$j] = 0; }
46     }
47     for ($i = 0; $i < $rowsA; $i++) {
48         for ($j = 0; $j < $colsB; $j++) {
49             for ($k = 0; $k < $colsA; $k++) {
50                 $result[$i][$j] += $matrixA[$i][$k] * $matrixB[$k][$j]; }
51             } }
52     echo "\nPractical4(B)\n-->> Result of Matrix Multiplication:\n";
53     for ($i = 0; $i < $rowsA; $i++) {
54         for ($j = 0; $j < $colsB; $j++) {
55             echo $result[$i][$j] . " "; }
56         echo "\n"; }
57 }
58 ?>
```