2D arrays and searching

Here’s the data for the 2D array.

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| Employee name | age | salary | Job |
| Josh | 30 | 100000 | senior analyst |
| John | 50 | 101000 | web warrior |
| Jane | 25 | 102000 | CEO |

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| <?php  /\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  file: employee-search.php  array $employees contains an array of keys and values  contains the Josh array, the John array, the Jane array  problem 1: search for a name and output all of his details  problem 2: search for a name and output only his job  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/  include('employee.inc');  page\_header('Employee data search');  $namesearch = 'John';  $job = 'job';  $employees = array(  'Josh' => array(  'age' => '30', 'salary' => '100,000','job' => 'senior analyst' ),//row 0  'John' => array(  'age' => '50', 'salary' => '101,000','job' => 'web warrior'), //row 1  'Jane' => array(  'age' => '25', 'salary' => '102,000','job' => 'CEO') //row 2  );  //3 rows and 4 columns  //print\_r($employees);  echo "<hr />";  echo "For problem 1: search for a name and output all of his data.<br />";  foreach($employees as $name\_emp => $data)  {  if($name\_emp == $namesearch)  {  echo "$name\_emp<br />";    foreach ($data as $key => $value)  {  echo "$key - $value<br />";  }  } //end if namesearch    } //end outer foreach loop  echo "<hr />";  echo "For problem 2: search for a name and output only his job data.<br />";  foreach($employees as $name\_emp => $data)  {  if($name\_emp == $namesearch)  {  echo "$name\_emp is the ";  //want to output only one column the job = ceo  //doesn't work  foreach ($data as $key => $value)  {  if($key == $job)  {  echo "$value .<br />";      } //end if job value search  }  } //end if namesearch    }  echo "For problem 3: search for a name and output only their salary data.<br />";  *[ lots of missing code]*  echo "<a href = \"employee-search.php\">GO BACK<a/>";  page\_footer('iaquinto');  ?> |

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| <?php  /\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  Places a footer with a copyright symbol and your name at the bottom of the html page.  It then closes the page.  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/  function page\_footer ($yourname)  {  echo "<hr />";  echo "<h4><center>&copy; $yourname 2011 <a href=\"mailto:$yourname@ozemail.com.au\">Contact Webmaster</a></center></h4>";  echo "<hr />";  echo "</body> \n </html>\n";  }  /\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  Use this function to make an easy page header with a title.  This version uses a CSS file to modify the appearance.  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/  function page\_header ($title)  {  echo "<html> \n";  echo "<head> \n";  echo " <title> $title </title>\n";  echo " <link rel=\"stylesheet\" href=\"employee.css\" type=\"text/css\">";  echo "<body> \n";  }  ?> |

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| /\* \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  file: employee.css  applies styles table data - columns  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/  html  {  margin:0;  padding:0;    }  body{      font-size: 16px;    margin:2em 0 0 5em;  padding:0;  font-family: 'Palatino Linotype', Garamond, serif;  background: #CCCC99;  color: #990033;    }  label {  display: block;  width: 100px;  float: left;  margin-bottom: 10px;    text-align: right;  width: 250px;  margin-bottom: 10px;  padding-right: 10px;  font-weight: bold;  }  input {  float: clear;  display: block;  width: 100px;  float: left;  position: relative;  margin-bottom: 15px;  /\*border: thin yellow dotted; \*/  }  select  {  width: 130px;    }  fieldset  {  border: 1px solid #BF3044;/\*reddish\*/  width: 30em;  padding-bottom: 20px;;  }  legend  {  color: #fff;  background: #5877B1; /\*smoky blue \*/  border: 1px solid #FFFF66; /\*reddish\*/  padding: 2px 6px;  }    .submit input  {    color: #fff;  background: #5877B1;/\*gold \*/  border: 2px outset #FFFF66; /\*outset so it looks like a button \*/  margin-left: 4em;  margin-top: 2em;  font-weight: bold;  width: 100px;  padding-bottom: 5px;  }  h1{  color: #666633;  }  caption  {  color:#000;  font-style: bold;  font-size:1.5em;  }  table {  padding:3px;  }  td, th {  background-color:#FFFFFF;  padding:7px 20px 7px 20px;  }  th {background-color:#CCCC99; color:#000;}  a{  text-decoration: none;    }  a:link{  color:#BF3044; /\* reddish \*/  }  a:visited{  color: #BF3044; /\* reddish \*/  }  a:hover {  color: #5877B1; /\*smoky blue \*/  } |

Assignment:

Using the data about eating places in Australia and their rankings, search for a given city, say, ‘Melbourne’. Output Melbourne’s 1st place restaurant and 2nd place and 3rd place. Add the HTML to post the $searchcity and the $searchrank.

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| <?php  /\*\*\*\*\*\*\*\*\*  file: eateryandrank.php  2D array  $searchcity = $\_POST['city'];  $searchrank = $\_POST['rank'];  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/  //first declare and fill the 2D array  $rankeatery = array(  'Melbourne' => array('1st' => 'Pellegrini', '2nd' => 'Red Mango', '3rd' => 'Sweet LA'),  'Sydney' => array('1st' => 'Calombaris', '2nd' => 'Sun Ah', '3rd' => 'Food Inn'),  'Adelaide' => array('1st' => 'Nacho City', '2nd' => 'Muffins Only Muffins', '3rd' => 'Taj Tandoori'),  'Perth' => array('1st' => 'Blue Corn', '2nd' => 'Shakshuka', '3rd' => 'Laffa')  );  $searchcity = 'Adelaide';  $searchrank = '2nd';  echo "This will show the data about the searched city: ";  foreach($rankeatery as $city => $data)  {  if($searchcity == $city)  {  echo "$city<br />";  foreach($data as $rank => $place)  {  if($searchrank == $rank)  {  echo "For $rank place the restaurant is $place<br />";    } //close ranksearch if    } //end inner foreach        } //close search city if  }  ?> |