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1  <?php
2  include( './mysql_wrappers.php' );
3  /*****
4  NOTES:
5  LIMIT x,y -> x is the starting row, y is the duration
6  ie. LIMIT 30,10 will return 10 results starting after row 30 (31, 32, 33, 34, 35, 36, 37, 38, 39, 40)
7  INCLUDED FUNCTIONS:
8  get_next_key();
9  insert_row()
10 sort_and_list_entries()
11 list_entries()
12 filter_and_list_entries()
13 update_row($key)
14 delete_row($key)
15 delete_filtered_rows()
16 *****/
17 $dbName='db_name';
18 $dbTable='db_table';
19 $dbUser='db_username';
20 $dbPass='db_password';
21 /*****
22 This function returns the next available key in the MySQL db.
23 This is a very important function which keeps each primary key in the db unique
24 *****/
25 function get_next_key() {
26     $sql = "SELECT * FROM `".$dbTable."` ";
27     if( !$result=mysql_select($dbName,$sql,$dbUser,$dbPass) )
28         mysql_handle_error();
29     $key=0;
30     while( $row = mysql_fetch_assoc($result) ) {
31         if($row['key'] > $key) $key = $row['key'];
32     }
33     $key+=1;
34     mysql_free_result($result);
35     return $key;
36 }
37 /*****
38 Inserts a row into the db
39 *****/
40 function insert_row() {
41     $key = get_next_key();
42     $sql = "INSERT INTO `".$dbTable."` (`field1` ,`field2` ,`field3` ,`key` )
43         VALUES ('".$field1."', '".$field2."', '".$field3."', '".$key."')";
44     if( !mysql_insert($dbName,$sql,$dbUser,$dbPass) )
45         mysql_handle_error();
46 }
47 /*****
48 Queries the MySQL db, sorts the results, and then echos the results
49 This function returns ALL entries in the db (up to the LIMIT)
50 *****/
51 function sort_and_list_entries() {
52     $sql = "SELECT * FROM `".$dbTable."` ";
53     if( !$result=mysql_select($dbName,$sql,$dbUser,$dbPass) )
54         mysql_handle_error();
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55     $indx = 0;
56     while( $row = mysql_fetch_assoc($result) ) {
57         //the first field in the following list is what the results will be sorted by
58         $result_list[$indx] = $row['field1'].'*'.$row['field2'].'*'.$row['field3'];
59         $indx+=1;
60     }
61     //the sort functions sorts the list in ascending order. to sort in descending order, use rsort
62     sort($result_list);
63     foreach($result_list as $_) {
64         list($field1,$field2,$field3)=explode('*',$_);
65         echo 'Field1: '.$field1.', Field2: '.$field2.', Field3: '.$field3.'  
';
66     }
67     mysql_free_result($result);
68 }
69 /*****
70 Queries the mySQL db and echos the results
71 This function returns ALL entries in the db (up to the LIMIT)
72 *****/
73 function list_entries() {
74     $sql = "SELECT * FROM `".$dbTable."` ";
75     if( !$result=mysql_select($dbName,$sql,$dbUser,$dbPass) )
76         mysql_handle_error();
77     while( $row = mysql_fetch_assoc($result) ) {
78         echo 'Result: '.$row['field1'].'', '.$row['field2'].'', '.$row['field3'].'<br/>';
79     }
80     mysql_free_result($result);
81 }
82 /*****
83 Queries the mySQL db, filters and echos the results
84 *****/
85 function filter_and_list_entries() {
86     //the filter is WHERE...AND in the mySQL syntax
87     $sql = "SELECT * FROM `".$dbTable."` WHERE `field1` = 'valid' AND `field2` = '13' ";
88     if( !$result=mysql_select($dbName,$sql,$dbUser,$dbPass) )
89         mysql_handle_error();
90     while( $row = mysql_fetch_assoc($result) ) {
91         echo 'Result: '.$row['field1'].'', '.$row['field2'].'', '.$row['field3'].'<br/>';
92     }
93     mysql_free_result($result);
94 }
95 /*****
96 Updates a row in the mySQL db
97 *****/
98 function update_row($key) {
99     $sql = "UPDATE `".$dbTable."`
100         SET `field1` = 'field1 data',
101           `field2` = 'field2 data',
102           `field3` = 'field3 data'
103         WHERE `key` = ".$key."
104         LIMIT 1";
105     if( !mysql_update($dbName,$sql,$dbUser,$dbPass) )
106         mysql_handle_error();
107 }
108 /*****
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109  Deletes a row in the mySQL db
110  *****/
111  function delete_row($key) {
112      //this first mySQL query verifies that the desired row exists in the db
113      $sql = "SELECT * FROM `".$dbTable."` WHERE `key` = '".$key.'" LIMIT 1";
114      if( !mysql_select($dbName,$sql,$dbUser,$dbPass) )
115          mysql_handle_error();
116      while( $row = mysql_fetch_assoc($result) ) {
117          $sql = "DELETE FROM `".$dbTable."` WHERE `key` = '".$key.'" LIMIT 1";
118          if( !mysql_delete($,$sql,$dbUser,$dbPass) )
119              mysql_handle_error();
120      }
121      mysql_free_result($result);
122  }
123  *****/
124  Deletes rows that match the filter in the mySQL db
125  *****/
126  function delete_filtered_rows() {
127      $sql = "DELETE FROM `".$dbTable."` WHERE `field1` = 'valid' ";
128      if( !mysql_delete($,$sql,$dbUser,$dbPass) )
129          mysql_handle_error();
130  }
131  }
132  ?>
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