

LAB 6 CMPT 221

Daniel Gisolfi & James Ekstract

Open `ipresidents.php` in a browser, Print a hardcopy of the web page.

Dead Presidents

num	fname	lname
44	Barack	Obama
40	Ronald	Reagan
35	John	Kennedy
7	Andrew	Jackson
1	George	Washington

Number:

FirstName:

LastName:

Add a new president and submit the hard copy of the web page

Added new president(s) 16 @ Abraham @ Lincoln

Dead Presidents

num	fname	lname
44	Barack	Obama
40	Ronald	Reagan
35	John	Kennedy
16	Abraham	Lincoln
7	Andrew	Jackson
1	George	Washington

Number:

First Name:

Last Name:

Submit a copy of the final version of ipresidents.php

```
1  #ipresidents.php
2  #Lab 6 Daniel Gisolfi & James Ekstract
3  <!--
4  This PHP script was modified based on result.php in McGrath (2012).
5  It demonstrates how to ...
6      1) Connect to MySQL.
7      2) Write a complex query.
8      3) Format the results into an HTML table.
9      4) Update MySQL with form input.
10 By Ron Coleman
11 -->
12 <!DOCTYPE html>
13 <html>
14 <?php
15 # Connect to MySQL server and the database
16 require( 'includes/connect_db.php' ) ;
17
18 # Includes these helper functions
19 require( 'includes/helpers.php' ) ;
20
21 if ( $_SERVER[ 'REQUEST_METHOD' ] == 'POST' ) {
22     $num = $_POST[ 'Number' ] ;
23 }
```

```

24     $fname = $_POST['First Name'] ;
25
26     $lname = $_POST['Last Name'] ;
27
28     if (!empty($num) && !empty($fname) && !empty($lname)) {
29         $result = insert_record($dbc, $num, $fname, $lname) ;
30
31         echo "<p>Added " . $result . " new president(s) ". $num . " @ " .
32         $fname . " @ " . $lname . "</p>" ;
33
34     } else {
35         echo '<p style="color:red">Please input a Number, First Name and Last
36         Name!</p>' ;
37     }
38
39     # Show the records
40     show_records($dbc);
41
42     # Close the connection
43     mysqli_close( $dbc) ;
44     ?>
45
46     <!-- Get inputs from the user. -->
47     <form action="ipresidents.php " method="POST">
48     <table>
49     <tr>
50     <td>Number:</td><td><input type="int" name="num"></td>
51     </tr>
52     <tr>
53     <td>First Name:</td><td><input type="text" name="fname"></td>
54     </tr>
55     <tr>
56     <td>Last Name:</td><td><input type="text" name="fname"></td>
57     </tr>
58     </table>
59     <p><input type="submit" ></p>
60     </form>
61     </html>

```

Submit a copy of the final version of helpers.php

```

1 #helpers.php
2 #Lab 6 Daniel Gisolfi & James Ekstract

```

```

3  <?php
4  $debug = true;
5
6  # Shows the records in prints
7  function show_records($dbc) {
8      # Create a query to get the name and price sorted by price
9      $query = 'SELECT num, fname, lname FROM presidents ORDER BY num DESC' ;
10
11     # Execute the query
12     $results = mysqli_query( $dbc , $query ) ;
13     check_results($results) ;
14
15     # Show results
16     if( $results ) {
17         # But...wait until we know the query succeed before
18         # rendering the table start.
19         echo '<H1>Dead Presidents</H1>' ;
20         echo '<TABLE border="1">';
21         echo '<TR>';
22         echo '<TH>num</TH>';
23         echo '<TH>fname</TH>';
24         echo '<TH>lname</TH>';
25         echo '</TR>';
26
27         # For each row result, generate a table row
28         while ( $row = mysqli_fetch_array( $results , MYSQLI_ASSOC ) ) {
29             echo '<TR>' ;
30             echo '<TD>' . $row['num'] . '</TD>' ;
31             echo '<TD>' . $row['fname'] . '</TD>' ;
32             echo '<TD>' . $row['lname'] . '</TD>' ;
33             echo '</TR>' ;
34         }
35
36         # End the table
37         echo '</TABLE>';
38
39         # Free up the results in memory
40         mysqli_free_result( $results ) ;
41     }
42 }
43
44 # Inserts a record into the presidents table
45 function insert_record($dbc, $num, $fname, $lname) {
46     $query = 'INSERT INTO presidents(num, fname, lname) VALUES (' . $num . '
47     , "' . $fname . '" , "' . $lname . '" )';
48     show_query($query);

```

```
48
49     $results = mysqli_query($dbc,$query) ;
50     check_results($results) ;
51
52     return $results ;
53 }
54
55 # Shows the query as a debugging aid
56 function show_query($query) {
57     global $debug;
58
59     if($debug)
60         echo "<p>Query = $query</p>" ;
61 }
62
63 # Checks the query results as a debugging aid
64 function check_results($results) {
65     global $dbc;
66
67     if($results != true)
68         echo '<p>SQL ERROR = ' . mysqli_error( $dbc ) . '</p>' ;
69 }
70 ?>
```