

Metric	Original Source Code
	<pre> <?php // Print a result of a query function print_db(\$result) { if (!\$result) return; echo "<table><thead><td>ID</td><td>Name</td><td>Author</td></thead><tbody>"; while (\$row = mysql_fetch_array(\$result, MYSQL_ASSOC)) { echo "<tr><td>". \$row['BookID'] . "</td><td>" . \$row['Name'] . "</td><td>" . \$row['Author'] . "</td></tr>\n"; } echo "</tbody></table>"; } // Start the connection to the database \$db = mysql_connect('localhost', 'media', 'pass'); if (!\$db) { die('Could not connect: ' . mysql_error()); } mysql_select_db("media"); if (isset(\$_POST['q'])) { // Only a string \$q = \$_POST['q']; X echo \$q; X echo "<h2>Result for [\$q] \$q[0]<h2>\n"; X \$result = mysql_query("SELECT * FROM books WHERE Author = '\$q'"); print_db(\$result); } if (isset(\$_POST['i'])) { // Only a string \$i = mysql_real_escape_string(\$_POST['i']); X echo "<h2>Result for [\$i]<h2>\n"; X \$result = mysql_query("SELECT * FROM books WHERE BookID = '\$i'"); print_db(\$result); } \$result = mysql_query("SELECT * FROM books WHERE 1"); print_db(\$result); mysql_close(\$db); ?> </pre>

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$ php-oracle.exe study/ex.preproc.xml
#####
List of variables:
$_POST['q'], $_POST, $_POST['i'], $q, $i, $result, $row,
#####
(language_dependant) Sink | Diffuse input : echo | $q
(language_dependant) Sink | Diffuse input : echo | $q
(function_call) Sink | Diffuse input : mysql_query ($q)
(language_dependant) Sink | Diffuse input : echo | $i
(function_call) Sink | Diffuse input : mysql_query ($i)
#####
Analysis of: study/ex.preproc.xml
Lines of Code = 39
Number of Inputs (i) = 2
Number of Inputs through variables (p) = 4
Number of Dispersion (d = p/i) = 2
Number of Dispersed Inputs through Sensitive Sink (s) = 5
Number of Variables (Nv) = 6
Number of Functions (Nf) = 1
Number of Classes (Nc) = 0
Sensitive Inputs ratio (s / Nv) = 0.833333

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