

| Code | Output |
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| <pre> <?php session_start(); \$_SESSION['step'] = (\$_SESSION['step'] ?? 2); \$_GET['a'] = "3"; \$_POST['b'] = "8xyz"; \$score = 20; function check() { global \$score; static \$run = 0; \$run++; \$total = \$score + (int)\$_POST['b'] + \$_GET['a']; echo strlen("Evaluate") . "\n"; echo substr("Performance", 4) . "\n"; \$vals = [\$_POST['b'], 8, "3", \$_SESSION['step']]; foreach(\$vals as \$v) { if(\$v === 8) echo "Exact\n"; elseif(\$v == 3) echo "Match\n"; else echo "Other\n"; } echo "Run:\$run\n"; \$score = \$_GET['a']; } check(); check(); ?> </pre> | |

| Code | Output |
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| <pre> <?php session_start(); \$_SESSION['try'] = (\$_SESSION['try'] ?? 1) + 1; \$_GET['n'] = "5"; \$_POST['m'] = "4test"; </pre> | |

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| <pre> \$base = 15; function process() { global \$base; static \$count = 0; \$count++; \$sum = \$base + (int)\$_POST['m'] + \$_GET['n']; echo strlen("Testing") . "\n"; echo substr("FunctionCall", 5) . "\n"; \$arr = [\$_POST['m'], 4, "5", \$_SESSION['try']]; foreach(\$arr as \$x) { if(\$x === 4) echo "Strict4\n"; elseif(\$x == 5) echo "Loose5\n"; else echo "Else\n"; } echo "Count:\$count\n"; \$base = \$_GET['n']; } process(); process(); ?> </pre> | |
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| Code | Output |
|--|--------|
| <pre> <?php \$_GET['add'] = "7"; \$records = ["Liam"=>13, "Noah"=>27, "Olivia"=>35, "Emma"=>44, "Ava"=>58, "Sophia"=>62, "Isla"=>79, "Mia"=>84, "Amelia"=>91, "Ethan"=>25]; function mystery(\$arr, \$x) { \$i = 1; foreach(\$arr as \$name => \$score) { \$total = (int)\$score + (int)\$x; switch(\$i) { case 1: echo strlen(\$name)."\n"; break; </pre> | |

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| <pre> case 2: echo substr(\$name, 1)."\n"; break; case 3: echo strtoupper(\$name)."\n"; break; case 4: echo strrev(\$name)."\n"; break; case 5: echo (\$total / 5)."\n"; break; case 6: echo (\$total % 8)."\n"; break; case 7: echo ((\$total > 80) ? "PASS" : "FAIL")."\n"; break; case 8: echo gettype(\$total)."\n"; break; case 9: echo (\$score + \$i)."\n"; break; case 10: echo implode("_", str_split(\$name))."\n"; break; } \$i++; } } mystery(\$records, \$_GET['add']); ?> </pre> | |
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| Code |
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| <pre> <?php session_start(); if (!isset(\$_SESSION['count'])) { \$_SESSION['count'] = 0; } \$message = ""; if (isset(\$_POST['submit'])) { \$_SESSION['count']++; \$name = \$_POST['name']; if (empty(\$name)) { \$message = "Name is required"; } else { \$message = "Hello, " . strtoupper(\$name); } } if (isset(\$_POST['reset'])) { \$_SESSION['count'] = 0; \$message = "Session reset"; } </pre> |

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<!DOCTYPE html>
<html>
<head>
  <title>Trace Test</title>
</head>
<body>

<h3>Visit Count: <?php echo $_SESSION['count']; ?></h3>

<form method="post">
  Name: <input type="text" name="name">
  <br><br>
  <button name="submit">Submit</button>
  <button name="reset">Reset</button>
</form>

<p><?php echo $message; ?></p>

</body>
</html>

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Write the output based on the events.

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| <p>Event 1:</p> <p>The user opens the page for the first time and does not click anything.</p> <p>Q1: What will be displayed in:</p> <ul style="list-style-type: none"> • Visit Count? • Message area? | |
| <p>Event 2:</p> <p>The user enters nothing in the input box and clicks Submit.</p> <p>Q2: What will happen to:</p> <ul style="list-style-type: none"> • \$_SESSION['count']? • \$message? | |

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| <ul style="list-style-type: none"> • Output on screen? | |
| <p>Event 3:</p> <p>The user enters "john" and clicks Submit.</p> <p>Q3: What will be:</p> <ul style="list-style-type: none"> • Visit Count? • Message shown? • Value of \$name? | |
| <p>Event 4:</p> <p>The user refreshes the page (without clicking any button).</p> <p>Q4: What happens to:</p> <ul style="list-style-type: none"> • Session value? • Message? • Visit Count? | |
| <p>Event 5:</p> <p>The user clicks Reset.</p> <p>Q5: What will be the:</p> <ul style="list-style-type: none"> • Session count? • Message displayed? • Page output? | |