

| Code | Output |
|---|---|
| <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> | <pre> 8 ormanc Other Exact Match Other Run:1 8 ormanc Other Exact Match Other Run:2</pre> |

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

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$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();
?>

```

| 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> | |

```

        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']);
?>

```

Code

```

<?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";
}

```

```

?>

<!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>

```

Write the output based on the events.

| | |
|---|--|
| <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? | |

| | |
|--|--|
| <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? | |