**EXERCISE 1**

<?php

$sx = 10; $sy = 7;

echo $sx . " + " . $sy . " = " . ($sx + $sy) . "<br>";

echo $sx . " - " . $sy . " = " . ($sx - $sy) . "<br>";

echo $sx . " \* " . $sy . " = " . ($sx \* $sy) . "<br>";

echo $sx . " / " . $sy . " = " . round($sx / $sy, 13) . "<br>";

echo $sx . " % " . $sy . " = " . ($sx % $sy) . "<br>";

?>

**EXERCISE 2**

<?php

$month = date('F', time()); if ($month === "August") {

echo "It's August, so it's really hot.";

} else {

echo "Not August, so at least not in the peak of the heat.";

}

?>

**EXERCISE 3**

<?php

for ($i = 1; $i <= 12; $i++) {

echo "$i \* $i = " . ($i \* $i) . "<br>";

}

?>

**EXERCISE 4**

<?php

echo "<table border='1' cellspacing='0' cellpadding='5'>";

for ($i = 1; $i <= 7; $i++) {

echo "<tr>";

for ($j = 1; $j <= 7; $j++) {

echo "<td>" . ($i \* $j) . "</td>";

}

echo "</tr>";

}

echo "</table>";

?>