

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>";
?>
```