PHP

Declaration, Assignment

```php
<?php
$txt = "Hello world!";
$x = 5;
$y = 10.5;
?>
```

String traversal, properties etc.

```php
<?php
echo strlen("Hello world!"); // outputs 12
?>
```

```php
<?php
echo str_word_count("Hello world!"); // outputs 2
?>
```

```php
<?php
echo strrev("Hello world!"); // outputs !dlrow olleH
?>
```

```php
<?php
echo strpos("Hello world!", "world"); // outputs 6
?>
```

```php
<?php
echo str_replace("world", "Dolly", "Hello world!"); // outputs Hello Dolly!
?>
```

Array/Tuples

```php
<?php

$cars = array("Volvo", "BMW", "Toyota");
echo "I like " . $cars[0] . ", " . $cars[1] . " and " . $cars[2] . ".";
?>
```

```php
<?php
$cars = array("Volvo", "BMW", "Toyota");
echo count($cars);
?>

<?php
$cars = array("Volvo", "BMW", "Toyota");
$arrlength = count($cars);

for($x = 0; $x < $arrlength; $x++) {
  echo $cars[$x];
  echo "<br>";
}
?>
```

Loops

```php
<?php
$x = 1;

while($x <= 5) {
  echo "The number is: $x <br>";
  $x++;
}
?>

<?php
for ($x = 0; $x <= 10; $x++) {
  echo "The number is: $x <br>";
}
?>

<?php
$colors = array("red", "green", "blue", "yellow");

foreach ($colors as $value) {
  echo "$value <br>";
}
?>
```

Return types

PHP supports the following data types:

- String
- Integer
- Float (floating point numbers - also called double)
- Boolean
- Array
- Object
- NULL
- Resource