

PHP Cheatsheet

Basic Syntax

File starts with - `<?php`
Single line comment - `// a comment`
Multi-line comment - `/ comment /`
End of each instruction - `;`
File ends with - `?>`
Outputs data - `echo`

Data types

`$boolean1 = true; // Boolean`
`$int = 12; // integer`
`$float = 3.1415926; // float`
`$fruit = 'apple'; //string`
`$arr = array("hello", "world", "!"); // array`

Operators

+	Addition
-	Subtraction
*	Multiplication
/	Division
%	Modulus
**	Exponentiation

Logical Operators

And &&	And
Or 	Or
xor	Exclusive or
!	Not

For loop –

```
# => 12345
for ($i = 1; $i <= 5; $i++) {
    echo $i;
}
```

Comparison Operators

==	Equal
===	Identical
!=	Not equal
<>	Not equal
!==	Not identical
<	Less than
>	Greater than
<=	Less than or equal
>=	Greater than or equal
<=>	Less than/equal/greater than

Control Structure: IF

```
// if something is true do something else
if( $something == true ) {
    //do something;
} elseif( $something == false ) {
    //do something;
} else {
    //do nothing ;
}
```

Control Structure: Loops

Do –

```
$i = 1;
# => 12345
while ($i <= 5) {
    echo $i++;
}
```

Do while -

```
$i = 1;
# => 12345
do {
    echo $i++;
} while ($i <= 5);
```

Foreach Loop

```
$a = ['foo' => 1, 'bar' => 2];  
# => 12  
foreach ($a as $k) {  
    echo $k;  
}
```

Functions

```
<?php  
function writeMsg() {  
    echo "Hello world!";  
}  
writeMsg(); // call the function  
?>
```

Connecting MySQL to PHP

- `mysql_connect()`
 - opens a non-persistent MySQL connection
- `mysql_close()`
 - closes a non-persistent MySQL connection
- `mysql_error()`
 - returns the error description of the MySQL operation
- `mysql_fetch_array()`
 - returns a row from a recordset as an associative array
- `mysql_query()`
 - executes a query on a MySQL database
- `mysql_select_db()`
 - sets the active MySQL database
- `mysql_ASSOC`
 - columns are returned into the array with fieldname as the array index
- `die()`
 - display a message
 - used to print string messages

Switch statement

```
switch (n) {  
    case label1:  
        code to be executed if n=label1;  
        break;  
    case label2:  
        code to be executed if n=label2;  
        break;  
    case label3:  
        code to be executed if n=label3;  
        break;  
    ...  
    default:  
        code to be executed if n is different from all  
        labels;  
}
```

Create connection

```
$conn = new mysqli($servername, $username,  
$password, $dbname);
```

Check connection

```
if ($conn->connect_error) {  
    die("Connection failed: " . $conn-  
>connect_error);  
};
```

Close connection

```
$conn->close();
```