

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

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

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;
}
```

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();
```