

# Learn PHP

## PHP Resources

Resources are special data types. They hold a reference to an external resource or document. They are created by special functions. Resources are handlers to opened files, database connections, or image canvas areas.

It is storage of a reference to various resources outside of PHP.

A commonly used example of a resource is a database call.

```
$open = fopen( "C:\\movies\\matrix.txt", 'r'); //resource
```

## OR

```
$con = mysqli_connect();  
echo get_resource_type($con);
```

## Example

```
<?php // Open a file for reading  
$open = fopen("note.txt", "r"); //resource  
var_dump($open);  
echo "<br>";  
$link = mysql_connect("localhost", "root", ""); // Connect to MySQL database server with default setting  
var_dump($link);  
?>
```

## Output

```
resource(2) of type (stream)
```

## How to define an Resource variable and assign value?

### Explanation

A resource it's kind of a special variable, holding a reference to an external resource. Resources are created and used by special functions.

The following is a list of few functions which create, use or destroy PHP resources.

`fbsql_db_query()`-Selects a database and executes a query on it.

`ftp_connect()`-opens an FTP connection to the specified host .

`imap_open()`-Open an IMAP stream to a mailbox

`dba_popen()`-establishes a persistent database instance for path with mode using handler .

`imagerotate()`-Rotate an image with a given angle

The function `is_resource()` can be used to determine if a variable is a resource and function

`get_resource_type()` will return the type of resource it is.