PHP Database Connection

Opening Database Connection

PHP provides **mysql_connect** function to open a database connection. This function takes five parameters and returns a MySQL link identifier on success, or FALSE on failure.

Syntax

```
connection mysql_connect(server,user,passwd,new_link,client_flag);
```

Sr.No	Parameter & Description
1	**server** Optional − The host name running database server. If not specified then default value is **localhost:3306**.
2	**user** Optional − The username accessing the database. If not specified then default is the name of the user that owns the server process.
3	**passwd** Optional − The password of the user accessing the database. If not specified then default is an empty password.
4	**new_link** Optional − If a second call is made to mysql_connect() with the same arguments, no new connection will be established; instead, the identifier of the already opened connection will be returned.
5	**client_flags** Optional − A combination of the following constants − • **MYSQL_CLIENT_SSL** − Use SSL encryption • **MYSQL_CLIENT_COMPRESS** − Use compression protocol • **MYSQL_CLIENT_IGNORE_SPACE** − Allow space after function names

	• **MYSQL_CLIENT_INTERACTIVE** − Allow interactive timeout seconds of inactivity before closing the connection

NOTE − You can specify server, user, passwd in **php.ini** file instead of using them again and again in your every PHP scripts. Check php.ini file configuration.

Closing Database Connection

Its simplest function **mysql_close** PHP provides to close a database connection. This function takes connection resource returned by mysql_connect function. It returns TRUE on success or FALSE on failure.

Syntax

```
bool mysql_close ( resource $link_identifier );
```

If a resource is not specified then last opend database is closed.

Example

Try out following example to open and close a database connection −

```php
<?php

   $dbhost = 'localhost:3036';
   $dbuser = 'guest';
   $dbpass = 'guest123';
   $conn = mysql_connect($dbhost, $dbuser, $dbpass);

   if(! $conn ) {
      die('Could not connect: ' . mysql_error());
   }

   echo 'Connected successfully';
   mysql_close($conn);
?>
```