**PHP Database Class**

**<?php**

**class** Database{

public $host = DB\_HOST**;**

public $database = DB\_DATABASE**;**

public $username = DB\_USER**;**

public $password = DB\_PASSWORD**;**

public $link = 0**;**

public $result = 0**;**

public $record = array()**;**

public $row**;**

public $errNo = 0**;**

public $error = **"";**

/\* Call connection method upon constructing \*/

public **function** \_\_construct**()**{

$this->createConnection()**;**

}

/\* Connection to the database \*/

public **function** createConnection**()**{

if( 0 == $this->link )

$this->link=mysqli\_connect( $this->host, $this->username, $this->password )**;**

if( !$this->link )

$this->stopExec( **"**Trying to connect.... Result: failed**"** )**;**

if( !mysqli\_select\_db($this->link,$this->database))

$this->stopExec( **"**Cannot use database **"**.$this->database )**;**

}

/\* Execute mysql query \*/

public **function** query**(**$queryString,$echo = false**)**{

if($echo == true){ echo **"**<br>**"**.$queryString.**"**<br>**";** }

$this->result = mysqli\_query($this->link, $queryString)**;**

$this->row = 0**;**

$this->errNo = mysqli\_errno($this->link)**;**

$this->error = mysqli\_error($this->link)**;**

if(!$this->result)

$this->stopExec( **"**Invalid SQL String: **"**.$queryString )**;**

return $this->result**;**

}

public **function** fetchRecord**(**$type = 1, $result = null**)**{

/\* Get from specific result \*/

if($result != null){

$this->result = $result**;**

}

/\*1 --> for array \*/

/\*2 --> for object \*/

if($type == 1){

$record = mysqli\_fetch\_array($this->result)**;**

}else{

$record = mysqli\_fetch\_object($this->result)**;** /\* return object \*/

}

return $record**;**

}

Continued ->

/\* Stop the execution of query when there's an error and report it\*/

public **function** stopExec**(**$msg**)**{

serverlog(**"**[MySQL Error][**"**.$this->errNo.**"**] **"**.$this->error.**"** Message: **"**.$msg)**;**

header(**'**Location: http://**'**.SYS\_URL\_PATH.**'**/error.php?code=10**'**)**;**

exit()**;**

}

/\* Get the number of Rows in result \*/

public **function** numRows**(**$result = null**)**{

if($result != null){

return mysqli\_num\_rows($result)**;**

}else{

return mysqli\_num\_rows($this->result)**;**

}

}

/\* Get the ID of the last insert \*/

public **function** lastID**()**{

return mysqli\_insert\_id($this->link)**;**

}

public **function** real\_escape\_string**(**$str**)**{

return mysqli\_real\_escape\_string($this->link,$str)**;**

}

}

**?>**

**Example Use:**

**<?php**

require\_once(**'**dbclass.php**'**)**;**

$db = new Database()**;**

$db->query(**"**Select \* from `members` WHERE `id` = '**$memberid**'**"**)**;**

$member = $db->fetchRecord()**;**

echo $member[**'**email**'**]**;**

**?>**