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Authorware to Database and Back
(Authorware – PHP – MySQL)

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SAMPLE CALL FROM AUTHORWARE TO PHP

```
varToSend := "nID="^ nID
```

```
varToSend := varToSend^"&nocache
```

```
varToSend:=Replace(" ", "%20", varToSend) --replace all spaces with %20
```

```
--EXAMPLE: phpResult :=ReadURL("http://localhost/chRec.php?" ^varToSend)
```

```
phpResult := ReadURL/phpPath^"chRec.php?" ^varToSend)
```

```
-----
```

FOR EXAMPLE: If nID = "A Admin1234"

varToSend value would = "nID=A%20Admin1234&nocache=29520.369"

SAMPLE SQL CODE TO USE IN A PHP SCRIPT:**Connect to a database**

Format:

```
<?php
```

```
$hostVariable = "localhost"; //or could use 127.0.0.1 which is the root server address
```

```
$databaseVariable = "databaseName";
```

```
$usernameVariable = "userName"; //user that was granted permissions to database
```

```
$passwordVariable= "userPassword";
```

```
$connectorVariable = mysql_connect(hostVariable, usernameVariable, $passwordVariable) or
```

```
die(mysql_error());
```

```
?>
```

Example:

```
<?php
```

```
$hostname_conn = "localhost";
```

```
$database_conn = "win";
```

```
$username_conn = "root";
```

```
$password_conn = "";
```

```
$conn = mysql_pconnect($hostname_conn, $username_conn, $password_conn) or die(mysql_error());
```

```
?>
```

Include a external file (i.e.import the script from an external file)

PHP code format:

```
<?php require_once('filename'); ?>
```

```
<?php
```

Example:

```
<?php require_once('Connections/conn.php'); ?> //conn.php is find in subfolder called 'Connections'
```

```
<?php
```

Query record(s)*Format:*

SELECT *orFields FROM tablename WHERE searchOption; //searchOption is optional

Example:

SELECT firstN,lastN FROM studentdata WHERE class='class 101' and area='area 99';

Select ____ from ____ where ____ = ____
 Update record
 Update ____ set ____ = ____ where ____ = ____
 Delete record(s)

Update record(s)*Format:*UPDATE table SET field=value, field=value, field=value WHERE field=criteria ";
//WHERE criteria is optional but recommended otherwise all records are updated*Examples:*UPDATE studentdata SET mgr1='manager1', mgr2='manager2' WHERE nID='AAdmin1234";
UPDATE studentdata SET mgr1=\$mgr1, mgr2=\$mgr2 WHERE nID=\$nID";Insert Record*Format:* INSERT INTO **table** VALUES (*valueField1,valueField2,...,valueFieldx*);*Example (includes creating the table first then inserting a record:*

```
CREATE TABLE activity (
  nID varchar(31) NOT NULL default "",
  sessionRec double(16,0) NOT NULL default '0',
  iTITLE char(2) NOT NULL default "",
  iLevel varchar(6) NOT NULL default "",
  inDate date NOT NULL default '0000-00-00',
  inTime time NOT NULL default '00:00:00',
  outDate date default '0000-00-00',
  outTime time default '00:00:00',
  totalTime decimal(7,6) default '0.000000',
  inDateJulian int(8) NOT NULL default '0',
  outDateJulian int(8) default '0',
  PRIMARY KEY (nID,sessionRec)
) TYPE=MyISAM;
```

```
INSERT INTO activity VALUES ('R Branham5089',20031220090103,'am','place','2003-12-20','09:01:03','2003-12-20','09:14:37',0.226226,37974,37974);
```

DELETE record(s)*Format:*DELETE FROM **table** WHERE **criteria**;*Examples:*DELETE FROM **studentdata** WHERE **class** = 'class1' AND **area**='area1';DELETE FROM **studentdata** WHERE **nID** = \$colnID_Recordset1;**Execute the Query***Format:***variable** = *mysql_query(sqlstringORvar, database) or die(mysql_error());**Example:*

//FIRST: set up a SQL statement to query. This deletes all records with 'admin' in nID field

\$query = "DELETE FROM **studentdata** WHERE **nID** LIKE 'admin%'";*--execute the query***\$recordset1** = *mysql_query(\$query, \$connVar) or die(mysql_error());**--retrieve the records (recordset) from query***\$row_Recordset1** = *mysql_fetch_assoc(\$recordset1);***Retrieve a recordset (if wanting more than 1 field)***Format:***arrayVar** = *mysql_fetch_assoc(queryResult);**Example:**--FIRST execute the query***\$recordset1** = *mysql_query(\$query, \$connVar) or die(mysql_error());**--THEN 'fetch' the recordset***\$row_Recordset1** = *mysql_fetch_assoc(\$recordset1);***Send a result back (i.e. to Authorware)***Format:*

Echo _____;

*Example 1 (returns a simple result of the query – usually just when want to pass success/failure*Echo **\$result**;

Example 2 (formats the result such as when returning specific fields)

```
//first fetch the recordset
$row_Recordset1 = mysql_fetch_assoc($recordset1);

//get total number of rows(records) returned in query
$totalRows_Recordset1 = mysql_num_rows($recordset1);

//on line 1, return the total rows/records (to Authorware)
echo $totalRows_Recordset1."r";

//then use a repeat loop (PHP script) to get all the records returned in the query
//line 2 - x starts the actual records retrieved.
if ($totalRows_Recordset1 > 0) //only if there were any records found in query
{do
    {
        echo $row_Recordset1['nLast'] ."\t"; //11
        echo $row_Recordset1['nFirst'] ."\t"; //12
        echo $row_Recordset1['nPIN'] ."\t"; //13
        echo $row_Recordset1['nClass'] ."\t"."r";

    } while ($row_Recordset1 = mysql_fetch_assoc($Recordset1));
}

// the elements inside the [ ] are field names.
```

LIMIT the number of records in a QUERY

```
//selects the first 6 records starting with the 1st record
SELECT firstN,lastN
FROM studentdata
LIMIT 0, 5
```

Or use variables for start and end record

```
SELECT firstN,lastN
FROM studentdata
LIMIT $startRec,$numRec
```

