

1. SAMPLE ACTIONSCRIPT CODE IN THE FLASH ACTION FRAME

```
var loadButton:Button = loadBtn;
var phpFile:String = "http://localhost/flashphpmysql/ch03/getData.php";

loadButton.addEventListener(MouseEvent.CLICK, loadHandler);

function loadHandler(e:MouseEvent):void
{
    var urlRequest:URLRequest = new URLRequest(phpFile);
    var urlLoader:URLLoader = new URLLoader();
    urlLoader.addEventListener(Event.COMPLETE, callServerHandler);
    urlLoader.load(urlRequest);
}

function callServerHandler(e:Event):void
{
    var loader:URLLoader = URLLoader(e.target);
    var dataObj:URLVariables = new URLVariables(loader.data);

    // Simple trace for example
    for(var i:uint = 0; i < dataObj.total; i++)
    {
        trace("Album " + (i + 1));
        trace(" Artist: " + dataObj['artist' + i]);
        trace(" Album: " + dataObj['album' + i]);
        trace(" Genre: " + dataObj['genre' + i]);
    }
}
```

2. THE PHP CODE CALLED FROM FLASH - in file getData.php

```
<?php

$genreID = 3;

$link = new mysqli("localhost","root","","book");
if ($result = $link->query("CALL sp_selectforflash($genreID)"))

$response = "resp=loaded\n";
$index = 0;

while($row = $result->fetch_array())
{
    $response .= "&artist" . $index . "=" . $row['artist'];
    $response .= "&album" . $index . "=" . $row['albumName'];
    $response .= "&genre" . $index . "=" . $row['name']. "\n";

    $index++;
}

$response .= "&total=" . $index;
print $response;
?>
```

3. DEFINITION OF DATABASE WITH TABLES / A STORED PROCEDURE

```
-- phpMyAdmin SQL Dump
-- version 3.1.1
-- http://www.phpmyadmin.net
--
-- Host: localhost
-- Generation Time: Jun 10, 2009 at 01:49 AM
-- Server version: 5.1.30
-- PHP Version: 5.2.8

SET SQL_MODE="NO_AUTO_VALUE_ON_ZERO";

--
-- Database: `book`
--
-----

--
-- Table structure for table `albums`
--

CREATE TABLE IF NOT EXISTS `albums` (
  `id` int(11) NOT NULL AUTO_INCREMENT,
  `genreID` int(11) NOT NULL DEFAULT '0',
  `artist` varchar(200) NOT NULL DEFAULT "",
  `albumName` varchar(200) NOT NULL DEFAULT "",
  PRIMARY KEY (`id`)
) ENGINE=MyISAM DEFAULT CHARSET=latin1 AUTO_INCREMENT=8 ;

--
-- Dumping data for table `albums`
--

INSERT INTO `albums` (`id`, `genreID`, `artist`, `albumName`) VALUES
(1, 4, 'Rob Thermo', 'Rob''s Rock Mix'),
(2, 4, 'Bill Dato', 'Rock Out Live'),
(3, 4, 'Jim Limb', 'Woodward 37th'),
(4, 4, 'Jason Alex', 'Guitar Mashup'),
(5, 4, 'Sam Riley', 'The Live Ones'),
(6, 3, 'John Dough-ZZTOP', 'Whole Foods for the Homeless'),
(7, 3, 'Josephine Allende', 'Kirschner and Care Giving');

-----

--
-- Table structure for table `genre`
--

CREATE TABLE IF NOT EXISTS `genre` (
  `id` int(11) NOT NULL AUTO_INCREMENT,
  `name` varchar(100) DEFAULT "",
```

```
`dateAdded` int(11) DEFAULT '0',  
PRIMARY KEY (`id`)  
) ENGINE=MyISAM DEFAULT CHARSET=latin1 AUTO_INCREMENT=5 ;
```

```
--
```

```
-- Dumping data for table `genre`
```

```
--
```

```
INSERT INTO `genre` (`id`, `name`, `dateAdded`) VALUES  
(1, 'Blues', 1197090235),  
(2, 'Country', 1197090146),  
(3, 'Jazz', 1197090525),  
(4, 'Rock', 1197090230);
```

```
--  
-- Procedures  
--
```

```
DELIMITER $$
```

```
CREATE PROCEDURE `sp_selectforflash`(v_id INT)
```

```
  BEGIN
```

```
    SELECT g.name, a.artist, a.albumName
```

```
    FROM albums a, genre g WHERE a.genreID=g.id AND g.id=TRIM(v_id);
```

```
  END$$
```

```
  DELIMITER ;
```