

## Inline Lab 6-A

**world\_cities.php** file

```
<html>
    <head>
        <title>PHP and MySQL</title>
    </head>
    <body>
        <a name="top"><h1>Cities of the World</h1></a>
        <a href="http://dev.mysql.com/doc/"><h3>MySQL Documentation</h3></a>
```

**<?php**

```
    /* Read in connection information */
    require("../connection_info.php");

    /* Connect to MySQL server */
    $linkID1 = new mysqli($dbhost,$dbuser,$dbpass,"world");

    /* Exit with error message if there is a problem */
    if ($linkID1->connect_error) {
        echo "Connection Error ($linkID1->connect_errno) $linkID1->connect_error\n";
        exit;
    }

    /* Query the City table */
    $query_results = $linkID1->query("SELECT ID, Name, CountryCode,
        District, Population FROM City");

    /* Exit with error message if problem with query execution */
    if (!$query_results) {
        echo "Query Error: $linkID1->error";
        exit;
    }

    /* Display the results of the query */
    while ($row = $query_results->fetch_assoc()) {
        echo $row["ID"]," | ",$row["Name"]," | ",$row["CountryCode"]," | ",
            $row["District"]," | ",$row["Population"],"<br/>\n";
    }

    /* Clear the result set */
```

```
$query_results->close();
```

```
/* Close the connection to the MySQL server */
```

```
$linkID1->close();
```

```
?>
```

```
    <a href="#top">Go to the top of the page</a>
```

```
  </body>
```

```
</html>
```

## Inline Lab 6-B

### country.php

```
<html>
    <head>
        <title>Countries of the world</title>
    </head>
    <body>

<?php

    /* Read in connection information */
    require("../connection_info.php");

    /* Connect to MySQL server */
    $linkID1 = new mysqli($dbhost,$dbuser,$dbpass,"world");

    /* Exit with error message if there is a problem */
    if ($linkID1->connect_error) {
        echo "Connection Error ($linkID1->connect_errno) $linkID1->connect_error\n";
        exit;
    }

    /* Read country code passed through URL */
    $country_code = $_GET["country_code"];

    /* Obtain data from Country table */
    $query = "SELECT Name, Region, SurfaceArea,
        Population, LifeExpectancy FROM world.Country
        WHERE Code = '$country_code'";

    $query_results = $linkID1->query($query);

    /* Exit with error message if problem with query execution */
    if (!$query_results) {
        echo "Query Error: $linkID1->error";
        exit;
    }

    while ($row = $query_results->fetch_assoc()) {
        echo "<h1>",$row["Name"],"</h1>";
        echo "<p>Region: ",$row["Region"],"</p>";
    }
}
```

```
    echo "<p>Surface Area: ",$row["SurfaceArea"],"</p>";  
    echo "<p>Population: ",$row["Population"],"</p>";  
    echo "<p>Life Expectancy: ",$row["LifeExpectancy"],"</p>";  
}
```

```
/* Clear the result set */  
$query_results->close();
```

```
/* Close the connection to the MySQL server */  
$linkID1->close();
```

```
?>
```

```
    </body>  
</html>
```

## Inline lab 6-C

**world\_cities.php** file

```
<html>
    <head>
        <title>PHP and MySQL</title>
    </head>
    <body>
        <a name="top"><h1>Cities of the World</h1></a>
        <a href="http://dev.mysql.com/doc/"><h3>MySQL Documentation</h3></a>
```

**<?php**

```
    /* Read in connection information */
    require("../connection_info.php");

    /* Connect to MySQL server */
    $linkID1 = new mysqli($dbhost,$dbuser,$dbpass,"world");

    /* Exit with error message if there is a problem */
    if ($linkID1->connect_error) {
        echo "Connection Error ($linkID1->connect_errno) $linkID1->connect_error\n";
        exit;
    }

    /* Query the City table */
    $query_results = $linkID1->query("SELECT ID, Name, CountryCode,
        District, Population FROM City");

    /* Exit with error message if problem with query execution */
    if (!$query_results) {
        echo "Query Error: $linkID1->error";
        exit;
    }

    /* Display the results of the query */
    while ($row = $query_results->fetch_assoc()) {
        echo $row["ID"]," | ",$row["Name"]," | ",
            "<a href='country.php?country_code=", $row["CountryCode"],"'>",
            $row["CountryCode"],"</a> | ",$row["District"]," | ",
            $row["Population"],"<br/>\n";
```

```

}

/* Clear the result set */
$query_results->close();

/* Close the connection to the MySQL server */
$linkID1->close();

?>

        <a href="#top">Go to the top of the page</a>
    </body>
</html>

```

## Inline Lab 6-D

countries.php file (results of steps 1 and 2)

```

<html>
<head>
<title>MySQL and PHP</title>
</head>
<body>
<h1>Countries of the world</h1>

<?php

# Create Connection to MySQL server
$linkID1 = new mysqli('localhost', 'root', '', 'world');

/* Exit with error message if there is a problem */
if ($linkID1->connect_error) {
    echo "Connection Error ($linkID1->connect_errno) $linkID1->connect_error\n";
    exit;
}

# Send query to MySQL server
$result = $linkID1->query("SELECT Code, Name FROM Country");

/* Exit with error message if problem with query execution */
if (!$result) {
    echo "Query Error: $linkID1->error";
    exit;
}

```

```
}
```

```
# Fetch results and display data.
```

```
while ($row = $result->fetch_assoc()) {  
    echo $row["Code"], " - ", $row["Name"], "<br/>\n";  
}
```

```
# Clean result set
```

```
$result->close();
```

```
# Disconnect from MySQL server
```

```
$linkID1->close();
```

```
?>
```

```
</body>
```

```
</html>
```

country.php file (steps 4 thru 15)

```
<html>
```

```
<head>
```

```
<title>MySQL and PHP</title>
```

```
</head>
```

```
<body>
```

```
<?php
```

```
# Create Connection to MySQL server
```

```
$linkID1 = new mysqli('localhost', 'root', '', 'world');
```

```
/* Exit with error message if there is a problem */
```

```
if ($linkID1->connect_error) {  
    echo "Connection Error ($linkID1->connect_errno) $linkID1->connect_error\n";  
    exit;  
}
```

```
$Country_Code = $_GET["Code"];
```

```
# Send query to MySQL server
```

```
$query = "SELECT Code, Name, Population, Capital, Continent  
FROM Country WHERE Code='$Country_Code';
```

```

$result = $linkID1->query($query);

/* Exit with error message if problem with query execution */
if (!$result) {
    echo "Query Error: $linkID1->error";
    exit;
}

# Fetch results and display data.
while ($row = $result->fetch_assoc()) {
    echo "<h1>",$row["Name"],"</h1>";
    echo "<p>Population: ",$row["Population"],"</p>";
    echo "<p>Capital: ",$row["Capital"],"</p>";
    echo "<p>Continent: ",$row["Continent"],"</p>";
    echo "<p><a
href='http://en.wikipedia.org/wiki/'",$row["Name"],">Wikipedia</a></p>";
    echo "<p><a href='countries.php'>Return to Country List</a></p>";
}

# Clean result set
$result->close();

# Disconnect from MySQL server
$linkID1->close();

?>

</body>
</html>

```

**countries.php file (results of Step 16)**

```

<html>
<head>
<title>MySQL and PHP</title>
</head>
<body>
<h1>Countries of the world</h1>

<?php

# Create Connection to MySQL server

```



```

$linkID1 = new mysqli('localhost', 'root', '', 'world');

/* Exit with error message if there is a problem */
if ($linkID1->connect_error) {
    echo "Connection Error ($linkID1->connect_errno) $linkID1->connect_error\n";
    exit;
}

# Send query to MySQL server
$result = $linkID1->query("SELECT Code, Name FROM Country");

/* Exit with error message if problem with query execution */
if (!$query_results) {
    echo "Query Error: $linkID1->error";
    exit;
}

# Fetch results and display data.
while ($row = $result->fetch_assoc()) {
    echo "<a href='country.php?Code=", $row["Code"], "'>", $row["Code"], "</a> -
", $row["Name"], "<br/>\n";
}

# Clean result set
$result->close();

# Disconnect from MySQL server
$linkID1->close();

?>

</body>
</html>

```