

Exercise 11.13 – HTML List from a Database Query Result

- **Developer Defined Functions**
 - **outputGenres()** – calls outputSingleGenre()
 - **outputSingleGenre(\$row)** – calls constructGenreLink()
 - **constructGenreLink(\$id, \$label)**
- **How to run the program**
 - <http://localhost/lab11/lab11-exercise13.php>

```
<?php
//config.php - lab11-exercise08-mysqli.php
define('DBHOST', 'localhost');
define('DBNAME', 'art');
define('DBUSER', 'testuser');
define('DBPASS', 'secret');
define('DBCONNSTRING','mysql:host=localhost;dbname=art');
?>

//lab11-exercise13.php
<?php
require_once('config.php');
/*
Displays a list of genres
*/
function outputGenres() {
    try {
        $pdo = new PDO(DBCONNSTRING,DBUSER,DBPASS);
        $pdo->setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);

        $sql = 'select GenreId, GenreName, Description from Genres Order By Era';
        $result = $pdo->query($sql);
        while ($row = $result->fetch()) {
            outputSingleGenre($row);
        }
        $pdo = null;
    }
    catch (PDOException $e) {
        die( $e->getMessage() );
    }
}
/*
Displays a single genre
*/
function outputSingleGenre($row) {
    echo '<div class="col-md-3">';
    echo '<div class="thumbnail">';
    $img = '';
    echo constructGenreLink($row['GenreId'], $img);
    echo '<div class="caption">';
    echo '<h4>';
    echo constructGenreLink($row['GenreId'], $row['GenreName']);
```

```

        echo '</h4>';
        echo '</div>';
        echo '</div>';
        echo '</div>';
    }

    /*
    Constructs a link given the genre id and a label (which could
    be a name or even an image tag
    */
    function constructGenreLink($id, $label) {
        $link = '<a href="genre.php?id=' . $id . '">';
        $link .= $label;
        $link .= '</a>';
        return $link;
    }

    ?>
    <!DOCTYPE html>
    <html>
    <head>
        <meta charset="utf-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <title>Chapter 11</title>

        <!-- Bootstrap core CSS -->
        <link href="bootstrap3_defaultTheme/dist/css/bootstrap.css" rel="stylesheet">
    </head>
    <body>
    <div class="well"><h1>List of Links (pdo)</h1></div>
    <div class="container">
        <div class="row">
            <?php outputGenres(); ?>
        </div>
    </div>
    </body>
    </html>

```

