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<?php
error_reporting(E_ALL);
ini_set('display_errors', 1);
?>
<html>
<head>
<title>Safe Bobby Tables</title>
</head>
<body>
<h3>Student Listing</h3>
<?php
try {
    // grab connection details
    require("/Users/classes/cs230a/mysql_config.php");

    // connect to MySQL database and set some configurations
    $dbh = new PDO("mysql:host=localhost",$mysql_user,$mysql_pw);
    $dbh->setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);
    $dbh->setAttribute(PDO::ATTR_PERSISTENT, false);
    $dbh->query("USE ".$mysql_db); // selects the database to use

    // check for form values -- if present, add to table
    if ($_POST) {
        echo "<p>Form values detected.</p>";
        //foreach ($key in array_keys($_POST)) {
        //    echo $key." ";
        //}
        $query = "INSERT INTO Students(grade,name) VALUES (?,?)";
        if (false===($stmt= $dbh->prepare($query))) {
            echo 'error preparing statement: ' . $dbh->error."<br>\n";
        }
        echo "Grade: " . $_POST['sgrade'] . "<br>\n";
        if (!$stmt->bindParam(1,$_POST['sgrade'],PDO::PARAM_INT)) {
            echo 'error binding params: ' . $stmt->error;
        }
        echo "Name: " . $_POST['sname'] . "<br>\n";
        if (!$stmt->bindParam(2,$_POST['sname'],PDO::PARAM_STR,100)) {
            echo 'error binding params: ' . $stmt->error;
        }
        if (!$stmt->execute()) {
            echo 'error executing statement: ' . $stmt->error;
        }
        echo $query;
        echo "<br>";
        //$dbh->query($query);
    } else {
        echo "<p>No form values detected.</p>";
    }
}

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// now try a query
$results = $dbh->query("SELECT * FROM Students;");
if (!$results) {
    // if there is something wrong with the query $results will be false
    echo "Query error!";
} else {
    // otherwise we can proceed to process the results

    // begin with some HTML to set up a table...
    echo '<table border="1" cellpadding="1">';
    echo '<tr><th>Name</th><th>Grade</th></tr>';

    // now loop through the results line by line
    foreach($results as $row) {
        $name = $row['name'];
        $grade = $row['grade'];
        printf("<tr><td>%s</td><td>%s</td></tr>\n", $name, $grade);
    }

    // finish the table
    echo "</table>";
}
} catch(PDOException $e) {
    // this code will run in case of a connection glitch
    echo "Database access problem:<br />";
    echo $e->getMessage();
}
?>
<hr>
<h3>Add a Student</h3>
<form method="post" action="safebobby.php">
<p><label for="sname">Name: </label>
<input type="text" name="sname"></p>
<p><label for="sgrade">Grade: </label>
<select name="sgrade">
<option value="9">9</option>
<option value="10">10</option>
<option value="11">11</option>
<option value="12">12</option>
</select></p>
<button type="submit">Add</button>
</form>
<hr>

<p><a href="setupstudents.php">Reset table</a></p>
</body>
</html>

```