

[1] PDO 1 – FEEDBACK FORM

You are requested to make a very simple page for a company that customers can use to request information about a product. It will take the information and insert the values into a row into the database.

The company can later use the data in the database to give to the marketing department so they can do the callbacks.

The SQL needed to create the tables used are at the end of this question.

**The form should look like this:**

**Customer Inquiry Form**

Please fill the following form and a customer service representative should get back to you within 72 hours.

Email Address : \_\_\_\_\_

First Name : \_\_\_\_\_

Last Name : \_\_\_\_\_

Phone Number : \_\_\_\_\_

Question : \_\_\_\_\_

[SUBMIT QUESTION]

**Result**

Thank you for your enquiry. Your reference ID is 44.

Note that 44 is the ID of the newly created record in the inquiry table.

**PseudoCode**

Get the POST or GET values from this form and insert them into the WebInquiries table. (note, insert a NULL into ProductID field).

Get the last-created-ID using the appropriate PDO command.

Display the above confirmation message.

IF you get an error, we should use a try-catch around all the code and display an error message something like:

Your request couldn't be completed, an error has occurred. Please try again.

[2] PDO 2 – FEEDBACK FORM ENHANCED

Take question 1 and code a drop-down selection allowing selection of a product from the customer.

The products that are listed are read from the “Products” table in the database.

### Customer Inquiry Form

Please fill the following form and a customer service representative should get back to you within 72 hours.

Email Address : \_\_\_\_\_

First Name : \_\_\_\_\_

Last Name : \_\_\_\_\_

Phone Number : \_\_\_\_\_

Select Product DROP DOWN SELECTION HERE

Question : \_\_\_\_\_

[SUBMIT QUESTION]

Use SELECT and OPTION to build the drop down.

The VALUE of option should be from Products.ID in the DB. The TEXT (what the user sees) should be from Products.Name.

The rest should be the same as above, we display a confirmation message, or a meaningful error message.

The drop-down values should be:

- 3 man all season tent
- 3 man deluxe all season tent
- Camping Stove
- Electric Lantern
- Gas Lantern

## [3] PDO 3 – FORMATTED TABLE

This question will simply show a table with columns, based on data from any table in the database.

Your code should have the following on the top:



```
$tableName = "";
```

It should read the table using either `fetch` or `fetch_all` and build the table displayed dynamically. What this means is that if I have a table called "Notes" with 2 fields (ID and Note) I should get a table like this.

ID	Note
1	First note
2	Second note
3	Third note

If I select a bigger table like "Products" from question 1, I will get the following table:

ID	Name	Price
1	3 man all season tent	149.99
2	3 man deluxe all season tent	189.99
3	Camping Stove	79.99
4	Electric Lantern	49.99
5	Gas Lantern	89.99

### Pseudo Code

```
<table>
  <tr><th>ID</th><th>Name</th></tr>
  <tr><td>1</td><td>First Note</td></tr>
  <tr><td>2</td><td>Second Note</td></tr>
</table>
```

Get all records into `$rows` using `fetch-all`.

- 1) To generate all the TH header elements. We can do a foreach on `$rows[0]` into `$key=>$value`. The values you want to put between `<th>x</th>` is `$key` in this case.
- 2) To generate the rest of the data rows of the table, we can do a foreach on `$rows` into `$key=>$value`. The values you want to put between `<td>x</td>` is `$value` in this case.
- 3) Remember to put all of the above between `<table></table>` elements.
- 4) You can make a nicer looking table if you load up bootstrap elements but this is optional for this course.

[\*] APPENDIX 1 : SQL FOR ASSIGNMENT SETUP

*\* ALSO INCLUDED AS A ZIP FILE NAMED : SETUP\_A3.SQL*

```
CREATE DATABASE `CEWP459_A3`;
```

```
CREATE TABLE `CEWP459_A3`.`Products` (  
  `ID` INT NOT NULL AUTO_INCREMENT,  
  `Name` VARCHAR(45) NOT NULL,  
  `Price` DECIMAL(10,2) NULL,  
  PRIMARY KEY (`ID`));
```

```
CREATE TABLE `CEWP459_A3`.`WebInquiries` (  
  `ID` INT NOT NULL AUTO_INCREMENT,  
  `Email` VARCHAR(45) NOT NULL,  
  `FirstName` VARCHAR(45) NOT NULL,  
  `LastName` VARCHAR(45) NULL,  
  `Phone` VARCHAR(15) NOT NULL,  
  `ProductId` INT NULL,  
  `Question` LONGTEXT NOT NULL,  
  PRIMARY KEY (`ID`),  
  INDEX `FK_ProductID_idx` (`ProductId` ASC),  
  CONSTRAINT `FK_ProductID`  
    FOREIGN KEY (`ProductId`)  
    REFERENCES `CEWP459_A3`.`Products` (`ID`)  
    ON DELETE NO ACTION  
    ON UPDATE NO ACTION);
```

```
insert into Products (Name, Price)  
values  
( '3 man all season tent', 149.99),  
( '3 man deluxe all season tent', 189.99),  
( 'Camping Stove', 79.99),  
( 'Electric Lantern', 49.99),  
( 'Gas Lantern', 89.99);
```