

Example: “austin_way_final_db” database and table inside

The screenshot shows the phpMyAdmin interface for the database 'austin_way_final_db'. The left sidebar displays a tree view of databases, including 'austin_way_final_db', 'information_schema', 'mysql', 'performance_schema', 'phpmyadmin', and 'test'. The main panel shows the 'Database: austin_way_final_db' view. A 'Filters' section is at the top, followed by a table list. The table list shows one table, 'coordinate', with a 'Sum' row. Below the table list, there is a 'Create table' section with a 'Name' field and a 'Number of columns' field set to 4.

| Table | Action | Rows | Type | Collation | Size | Overhead |
|------------|---|------|--------|--------------------|----------|----------|
| coordinate | Browse Structure Search Insert Empty Drop | 0 | InnoDB | utf8mb4_general_ci | 16.0 KIB | - |
| 1 table | Sum | 0 | InnoDB | utf8mb4_general_ci | 16.0 KIB | 0 B |

Example: “coordinate” table structure

The screenshot shows the phpMyAdmin interface for the 'coordinate' table in the 'austin_way_final_db' database. The left sidebar shows the database tree. The main panel shows the 'Table: coordinate' view. The 'Table structure' tab is selected, displaying the table's columns: 'number' (int(11), PRIMARY), 'x' (decimal(10,2)), and 'y' (decimal(10,2)). Below the column list, there is an 'Indexes' section showing a PRIMARY index on the 'number' column. The 'Partitions' section at the bottom indicates 'No partitioning defined!'.

| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action |
|---|--------|---------------|-----------|------------|------|---------|----------|----------------|------------------|
| 1 | number | int(11) | | | No | None | | AUTO_INCREMENT | Change Drop More |
| 2 | x | decimal(10,2) | | | Yes | NULL | | | Change Drop More |
| 3 | y | decimal(10,2) | | | Yes | NULL | | | Change Drop More |

| Action | Keyname | Type | Unique | Packed | Column | Cardinality | Collation | Null | Comment |
|-----------|---------|-------|--------|--------|--------|-------------|-----------|------|---------|
| Edit Drop | PRIMARY | BTREE | Yes | No | number | 0 | A | No | |

Example: data privileges for user **austinexam**

The screenshot shows the phpMyAdmin interface. The left sidebar displays a tree view of databases, with 'austin_way_final_db' selected. The main panel shows the 'Privileges' tab for the 'austin_way_final_db' database. A table titled 'Users having access to "austin_way_final_db.coordinate"' lists the following data:

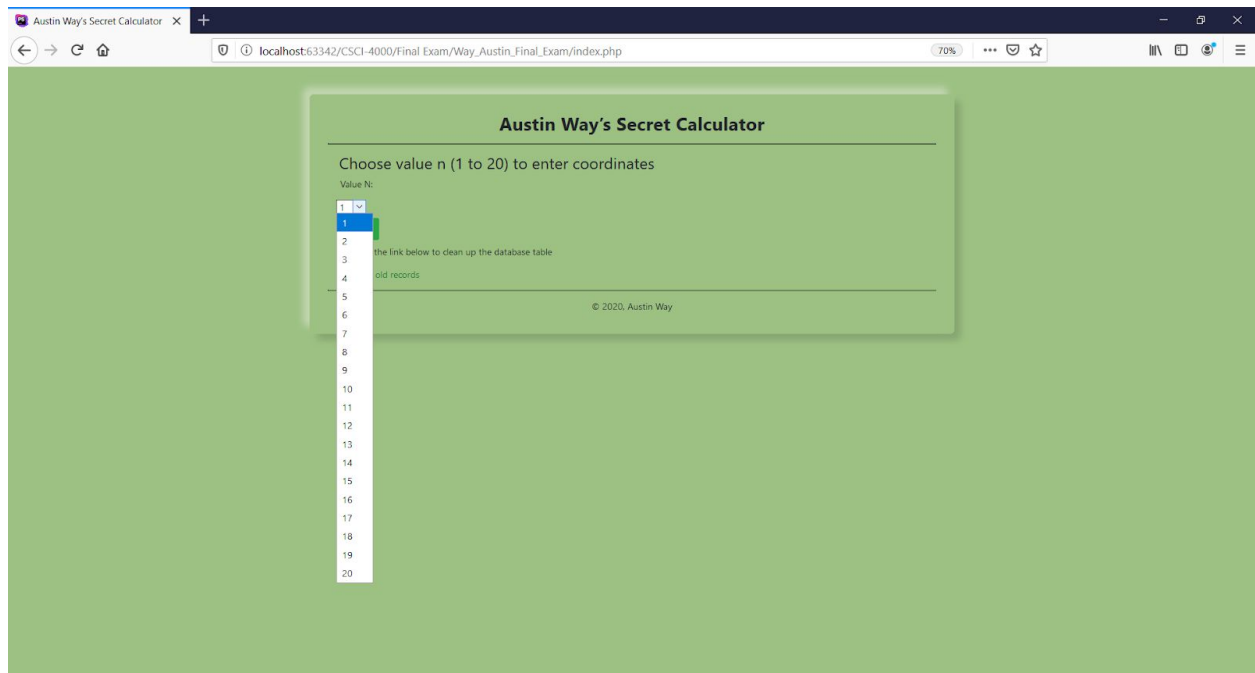
| User name | Host name | Type | Privileges | Grant | Action |
|------------|-----------|-------------------------------|--------------------------------|-------|--|
| austinexam | % | wildcard: austin_way_final_db | SELECT, INSERT, UPDATE, DELETE | No | Edit privileges Export |
| root | 127.0.0.1 | global | ALL PRIVILEGES | Yes | Edit privileges Export |
| root | :::1 | global | ALL PRIVILEGES | Yes | Edit privileges Export |
| root | localhost | global | ALL PRIVILEGES | Yes | Edit privileges Export |

Below the table, there is a 'Check all' checkbox and a 'With selected:' dropdown menu. At the bottom, there is a 'New' button and a link to 'Add user account'.

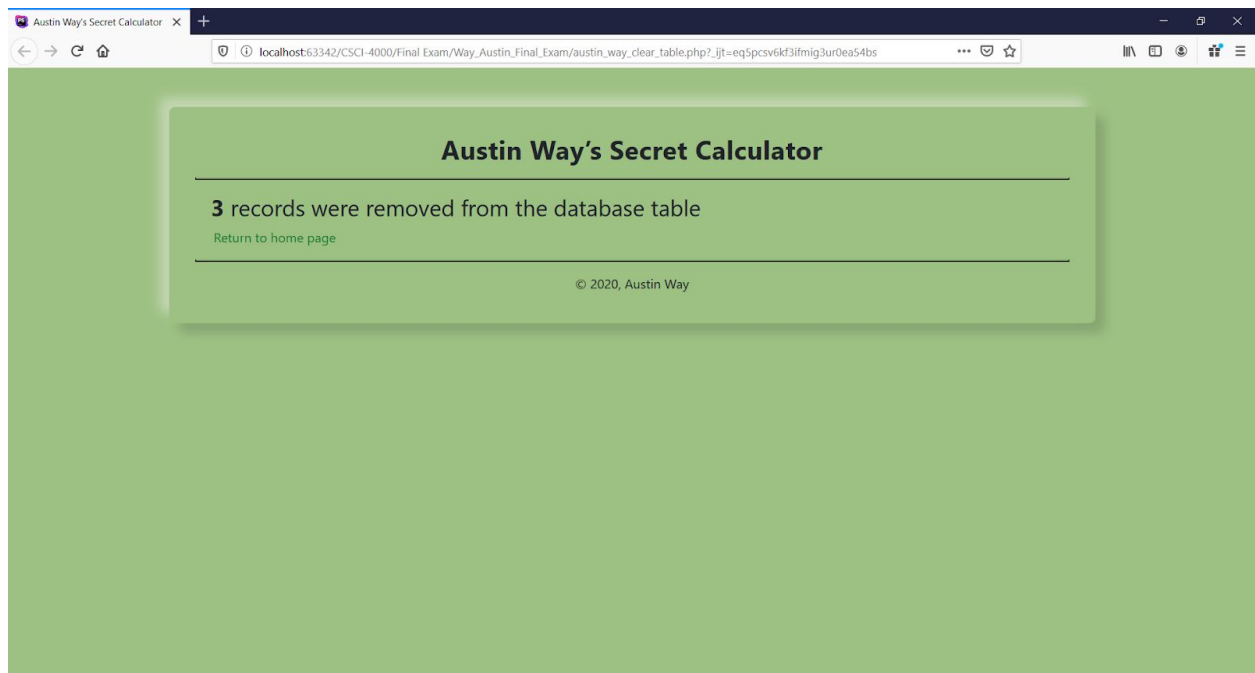
Example: index.php

The screenshot shows a web browser displaying the 'Austin Way's Secret Calculator' application. The page has a green background and a white central box. The title 'Austin Way's Secret Calculator' is at the top. Below it, the text 'Choose value n (1 to 20) to enter coordinates' is displayed. A 'Value N:' label is followed by a dropdown menu showing the number '1'. A green 'Submit' button is below the dropdown. Below the button, the text 'OR click the link below to clean up the database table' is shown, followed by a link labeled 'Remove old records'. At the bottom of the white box, the copyright notice '© 2020, Austin Way' is displayed.

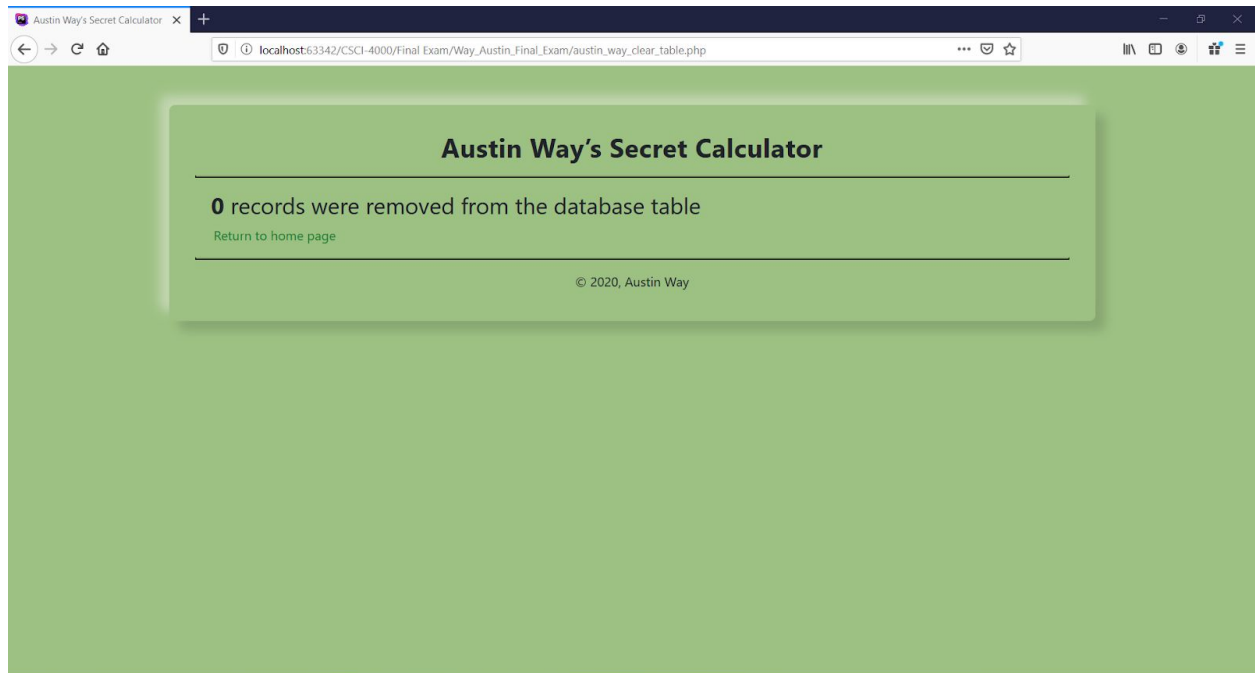
Example: index.php



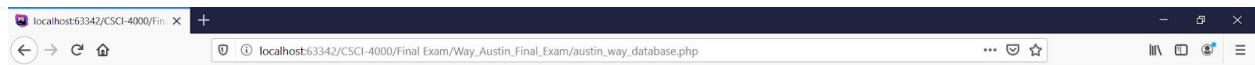
Example: austin_way_clear_table.php (if there are records)



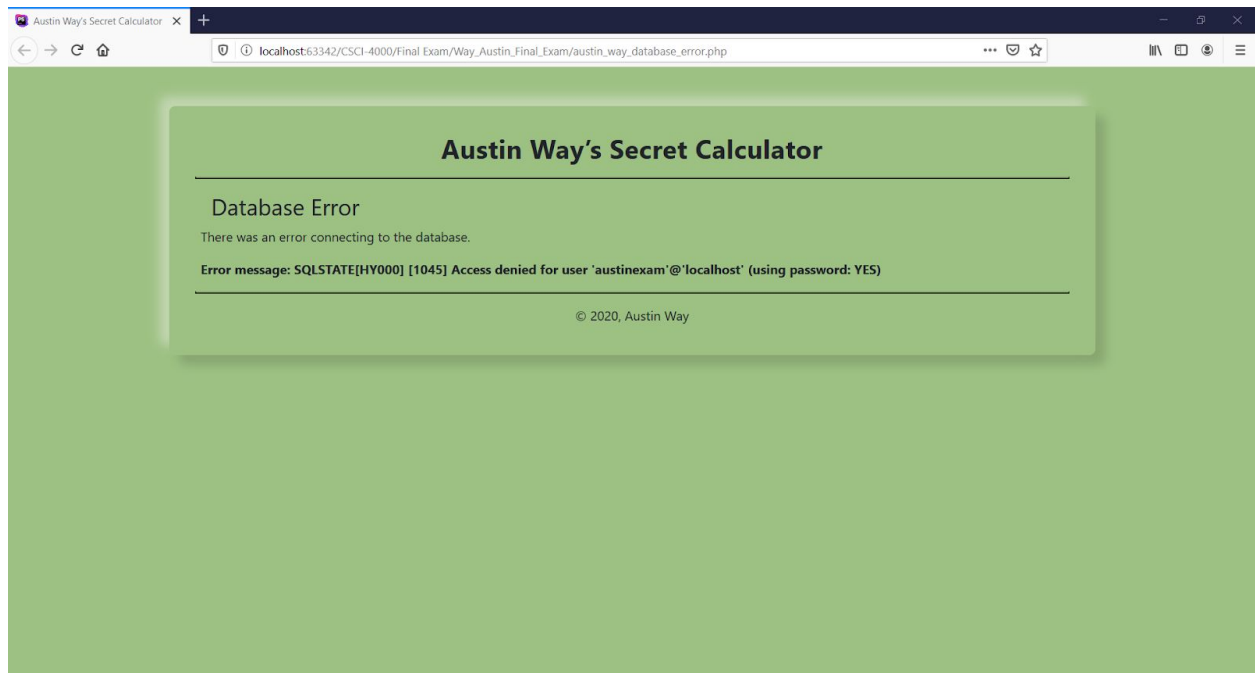
Example: austin_way_clear_table.php (if there are *no* records)



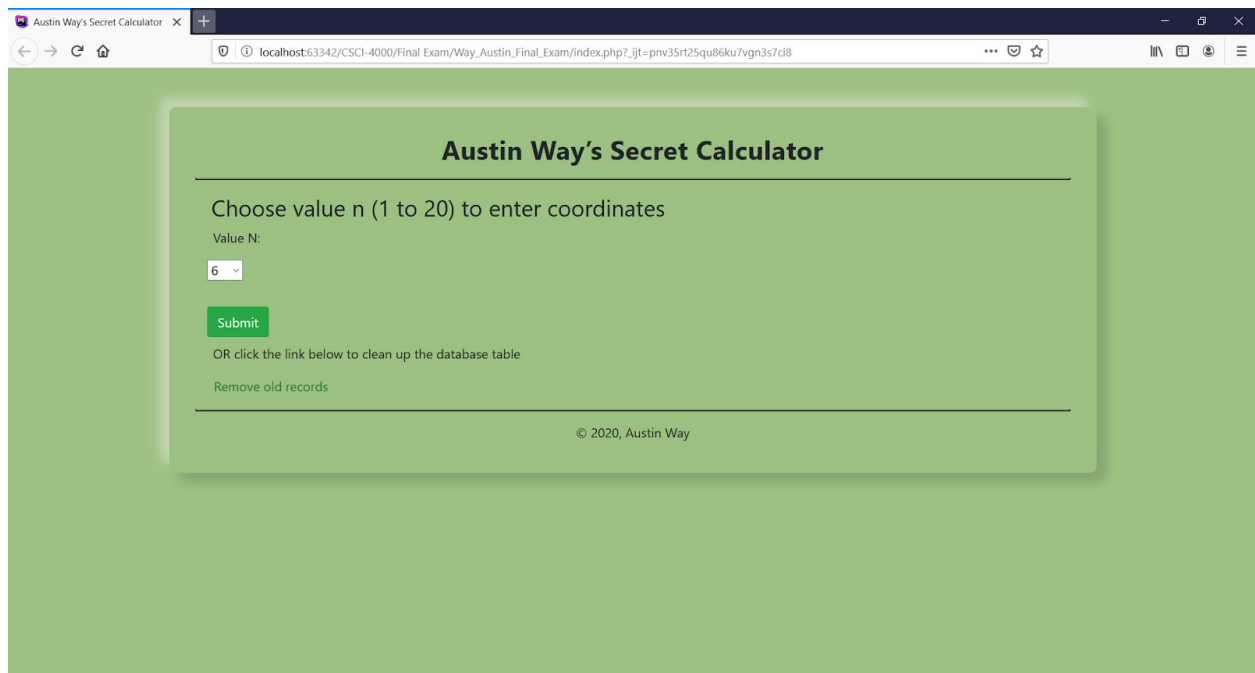
Example: austin_way_database.php (shows nothing)



Example: austin_way_database_error.php



Example: Test Case 1, when $n = 6$ was chosen



Example: Test Case 1

Austin Way's Secret Calculator

Please enter values for 6 coordinates

(x1: , y1:)

(x2: , y2:)

(x3: , y3:)

(x4: , y4:)

(x5: , y5:)

(x6: , y6:)

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Example: Test Case 1

Austin Way's Secret Calculator

The following coordinates are saved to the database table:

x1=1, y1=2;
x2=3, y2=4;
x3=5, y3=6;
x4=7, y4=8;
x5=9, y5=10;
x6=11, y6=12;

Click on the link below to retrieve coordinates from the database table for calculation

[Retrieve records for calculation](#)

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Example: Test Case 1

The screenshot displays the phpMyAdmin web interface. On the left is a sidebar with a tree view of the database structure, including 'austin_way_final_db' and 'information_schema'. The main panel shows the 'coordinate' table with a green success message: 'Showing rows 0 - 5 (6 total, Query took 0.0006 seconds.)'. Below this is a SQL query editor with the text 'SELECT * FROM `coordinate`'. A table of data is displayed with columns 'number', 'x', and 'y'. Each row has 'Edit', 'Copy', and 'Delete' icons. At the bottom, there are controls for 'Check all', 'With selected:', 'Edit', 'Copy', 'Delete', and 'Export'.

Server: 127.0.0.1 » Database: austin_way_final_db » Table: coordinate

Showing rows 0 - 5 (6 total, Query took 0.0006 seconds.)

```
SELECT * FROM `coordinate`
```

Show all | Number of rows: 25 | Filter rows: Search this table | Sort

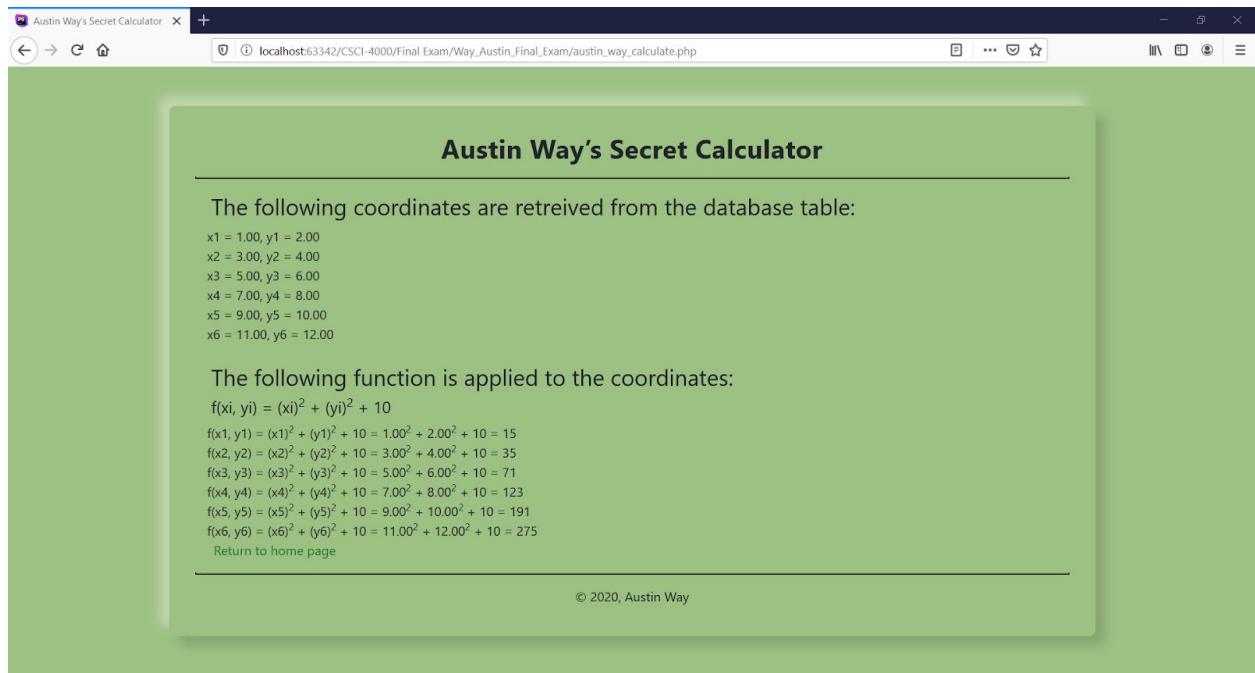
+ Options

| | number | x | y |
|---|--------|-------|-------|
| <input type="checkbox"/> Edit Copy Delete | 1 | 1.00 | 2.00 |
| <input type="checkbox"/> Edit Copy Delete | 2 | 3.00 | 4.00 |
| <input type="checkbox"/> Edit Copy Delete | 3 | 5.00 | 6.00 |
| <input type="checkbox"/> Edit Copy Delete | 4 | 7.00 | 8.00 |
| <input type="checkbox"/> Edit Copy Delete | 5 | 9.00 | 10.00 |
| <input type="checkbox"/> Edit Copy Delete | 6 | 11.00 | 12.00 |

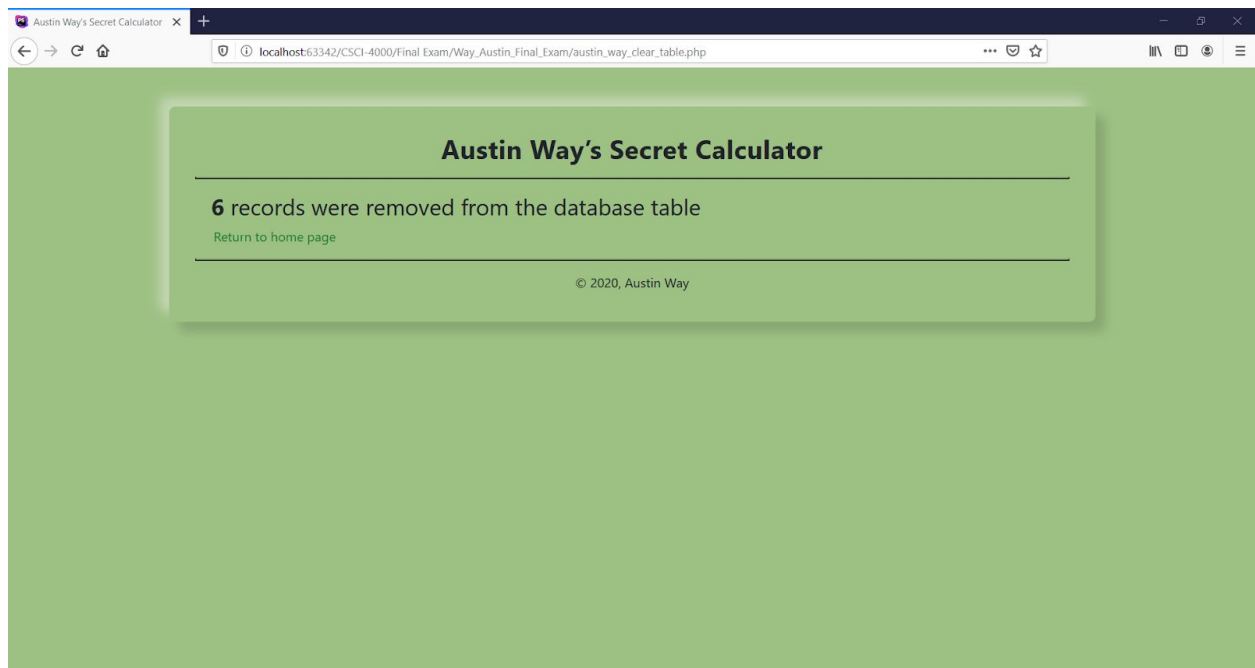
Check all | With selected: Edit Copy Delete Export

Show all | Number of rows: 25 | Filter rows: Search this table | Sort

Example: Test Case 1



Example: Test Case 1



Example: Test Case 1, when n = 5 was chosen

Austin Way's Secret Calculator

Choose value n (1 to 20) to enter coordinates

Value N:

5

Submit

OR click the link below to clean up the database table

[Remove old records](#)

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The screenshot shows a web browser window with the title 'Austin Way's Secret Calculator'. The address bar shows the URL 'localhost:63342/CSCI-4000/Final Exam/Way_Austin_Final_Exam/index.php'. The main content area has a green background with a white box containing the form. The form has a title 'Austin Way's Secret Calculator', a prompt 'Choose value n (1 to 20) to enter coordinates', a label 'Value N:', a dropdown menu with '5' selected, a green 'Submit' button, a link 'OR click the link below to clean up the database table', and another link 'Remove old records'. The footer shows '© 2020, Austin Way'.

Example: Test Case 2

Austin Way's Secret Calculator

Please enter values for 5 coordinates

(x1: 10, y1: 10)

(x2: 10.5, y2: 10.5)

(x3: 11.5, y3: 11.5)

(x4: 13.8, y4: 13.9)

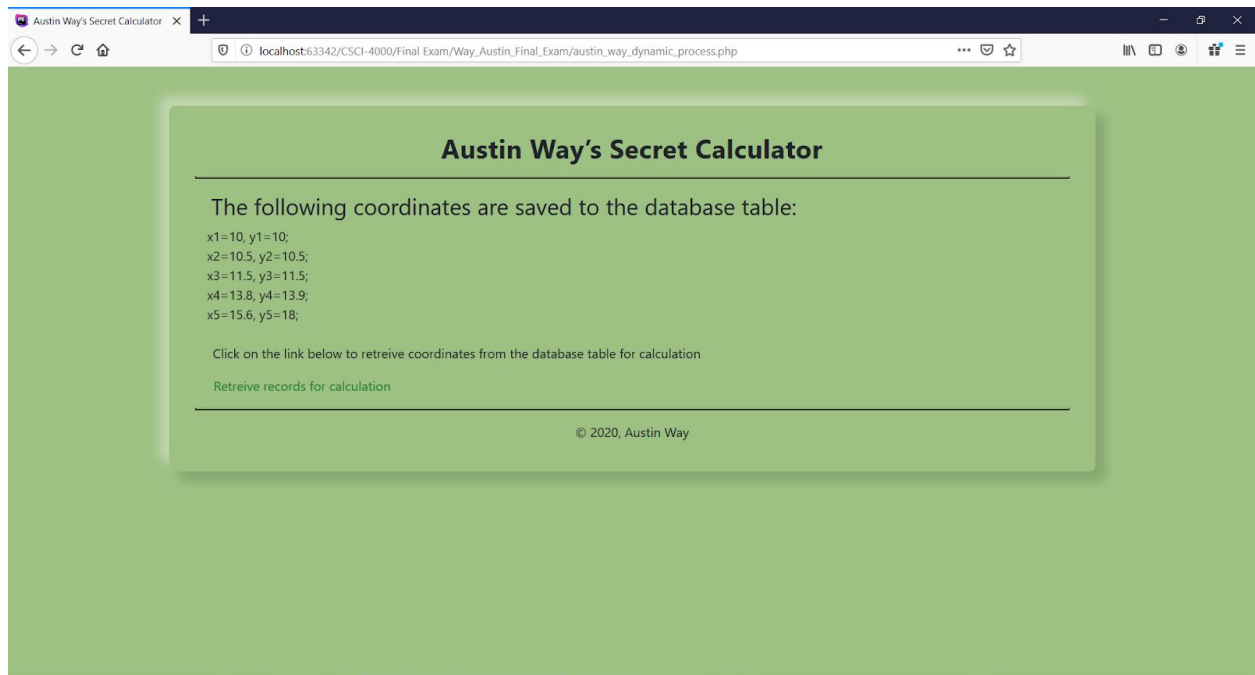
(x5: 15.6, y5: 18)

Submit

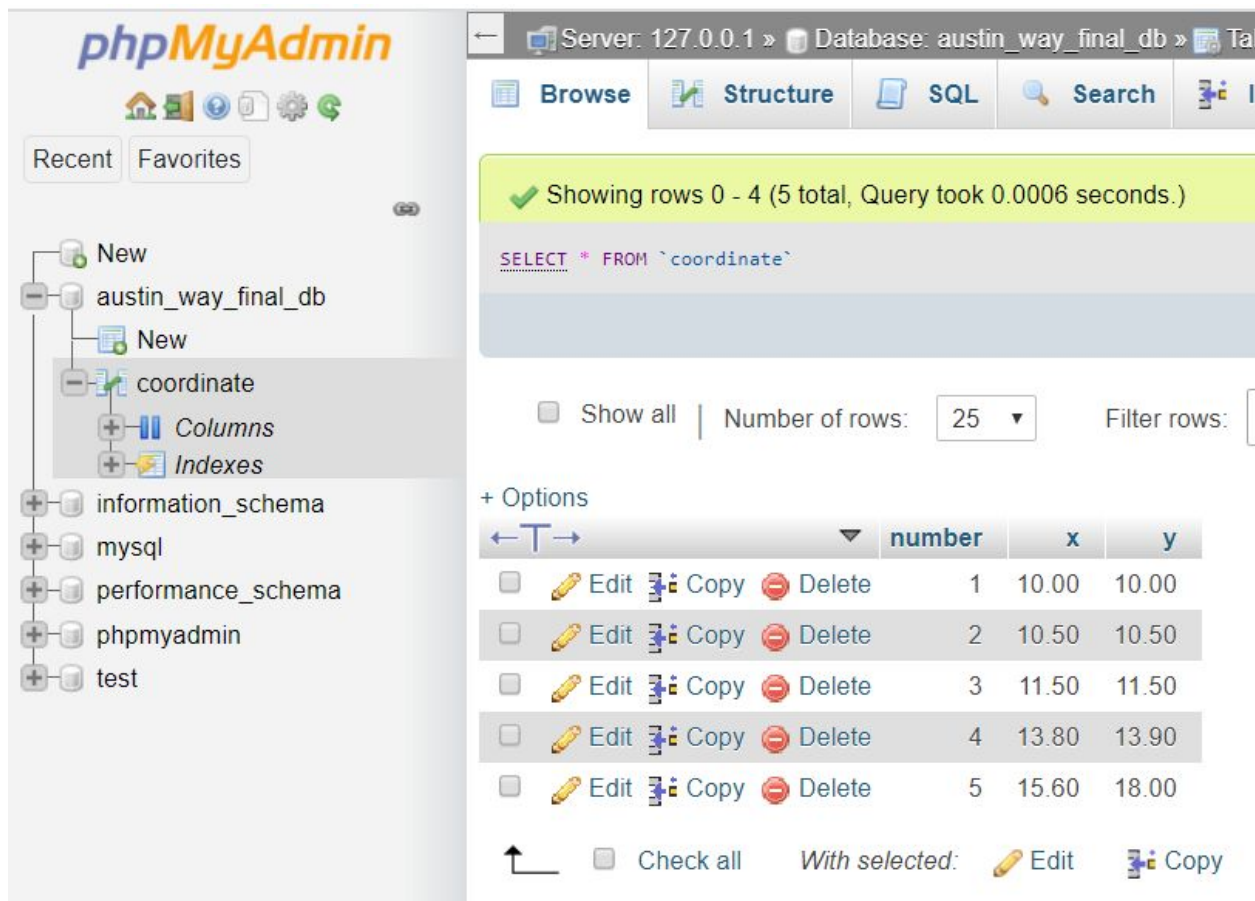
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The screenshot shows a web browser window with the title 'Austin Way's Secret Calculator'. The address bar shows the URL 'localhost:63342/CSCI-4000/Final Exam/Way_Austin_Final_Exam/austin_way_dynamic_textbox.php'. The main content area has a green background with a white box containing the form. The form has a title 'Austin Way's Secret Calculator', a prompt 'Please enter values for 5 coordinates', five pairs of input fields for coordinates (x1, y1) through (x5, y5) with values entered, a green 'Submit' button, and the footer '© 2020, Austin Way'.

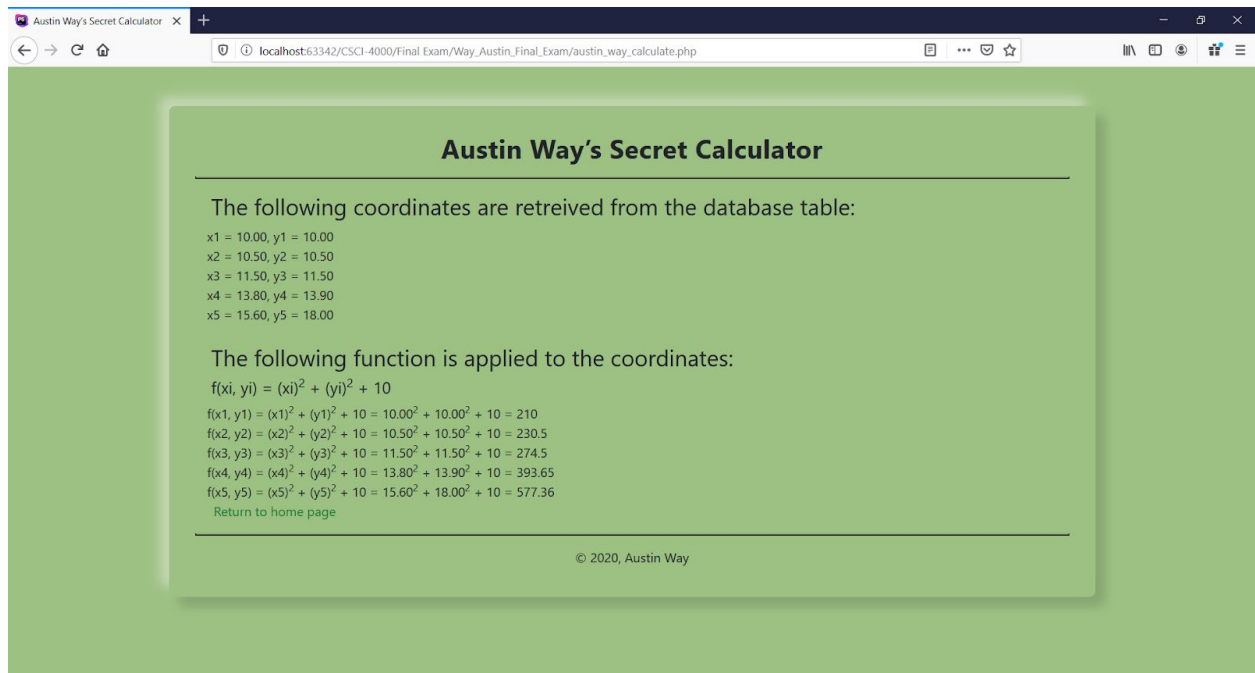
Example: Test Case 2



Example: Test Case 2



Example: Test Case 2



Example: Test Case 2

