

Using phpMyAdmin

Working with phpMyAdmin
Creating Tables
Inserting and Updating data

Part 1

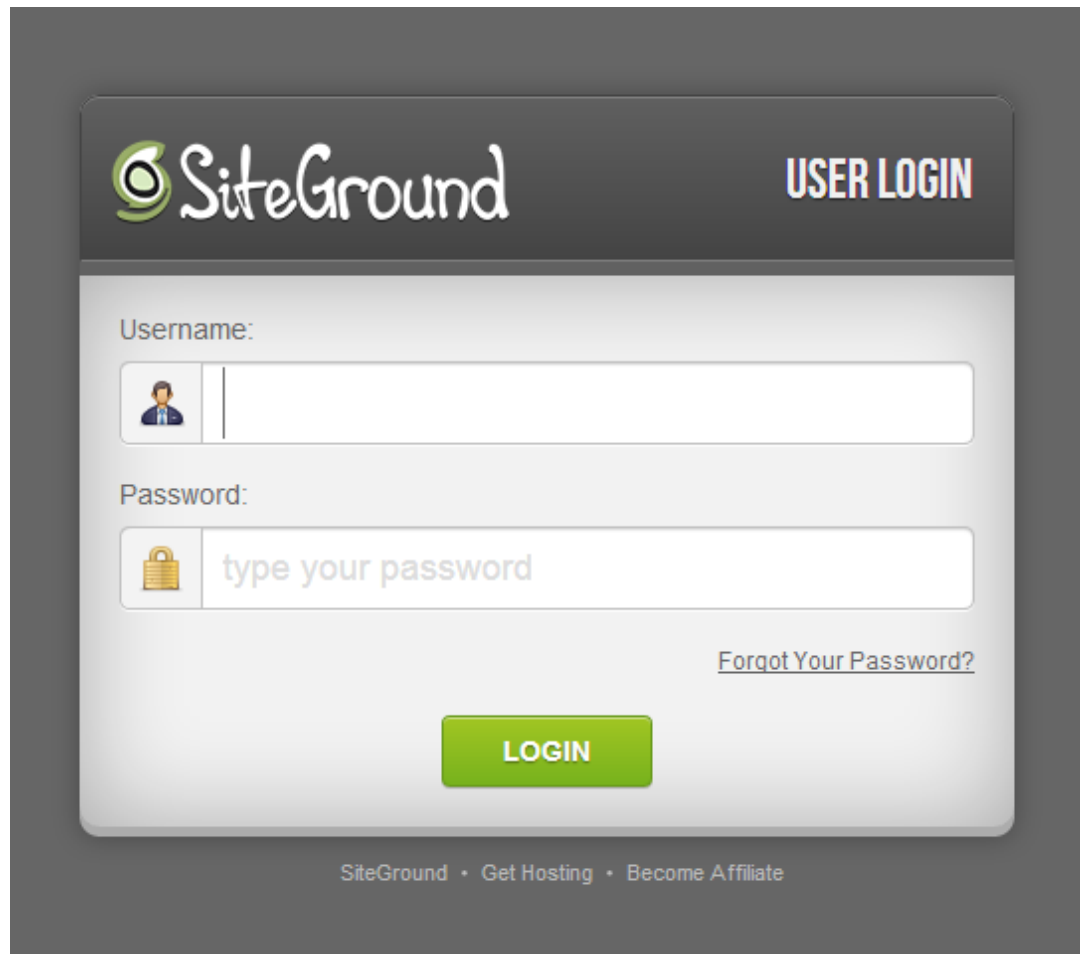
- Using phpMyAdmin
 - Access phpMyAdmin
 - Creating Tables
 - Inserting data
 - Updating data

ACCESSING phpMyAdmin



1. Open a web browser
2. Navigate to your web host login page
3. Login as the site administrator

Login To Your Web Host Account



The image shows a login form for SiteGround. At the top left is the SiteGround logo, and at the top right is the text "USER LOGIN". Below the logo, there is a "Username:" label followed by a text input field with a user icon on the left. Below that is a "Password:" label followed by a text input field with a lock icon on the left and the placeholder text "type your password". To the right of the password field is a link that says "Forgot Your Password?". Below the password field is a green "LOGIN" button. At the bottom of the form, there is a footer that says "SiteGround • Get Hosting • Become Affiliate".

SiteGround

USER LOGIN

Username:

Password:

type your password

[Forgot Your Password?](#)

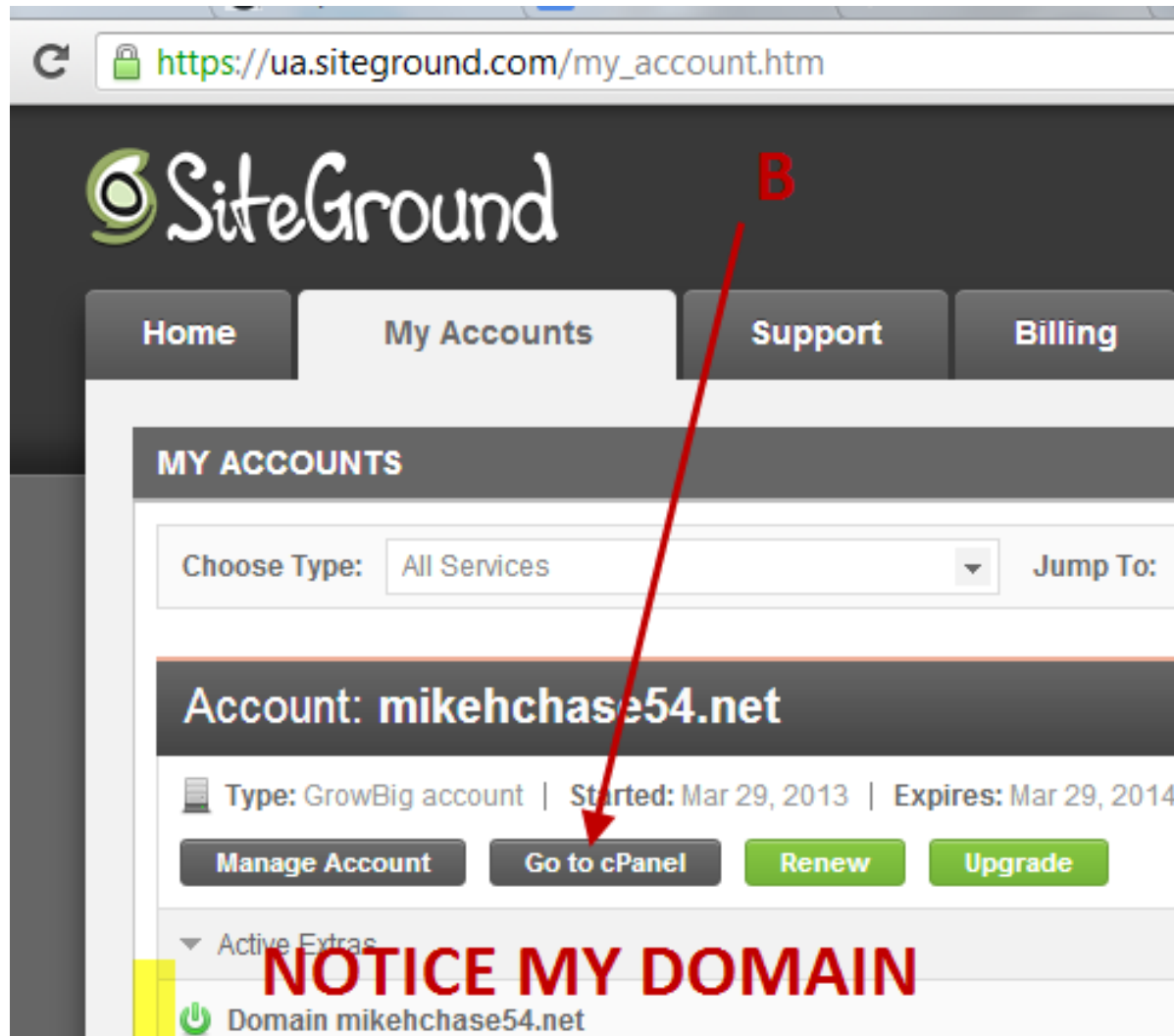
LOGIN

SiteGround • Get Hosting • Become Affiliate

(A) Select “My Accounts” Tab



(B) Select Go to cPanel



The screenshot shows the SiteGround 'My Accounts' page. The browser address bar displays https://ua.siteground.com/my_account.htm. The SiteGround logo is in the top left. A navigation bar contains 'Home', 'My Accounts' (selected), 'Support', and 'Billing'. Below this is a 'MY ACCOUNTS' section with a 'Choose Type:' dropdown set to 'All Services' and a 'Jump To:' field. The main account information is for 'Account: mikehchase54.net'. Below this, it states 'Type: GrowBig account | Started: Mar 29, 2013 | Expires: Mar 29, 2014'. There are four buttons: 'Manage Account', 'Go to cPanel', 'Renew', and 'Upgrade'. A red arrow points from a red letter 'B' in the top right to the 'Go to cPanel' button. At the bottom, a red text overlay says 'NOTICE MY DOMAIN' above a green power icon and the text 'Domain mikehchase54.net'.

SiteGround

Home My Accounts Support Billing

MY ACCOUNTS

Choose Type: All Services Jump To:

Account: mikehchase54.net

Type: GrowBig account | Started: Mar 29, 2013 | Expires: Mar 29, 2014

Manage Account Go to cPanel Renew Upgrade

Active Extras

Domain mikehchase54.net

NOTICE MY DOMAIN

Scroll Down cPanel

BACKUPS MANAGER



Files
Backup
Restore



MySQL
backup
restore

DATABASES



MySQL®
Database
Wizard



phpMyAdmin



Remote
MySQL



PostgreSQL
Databases



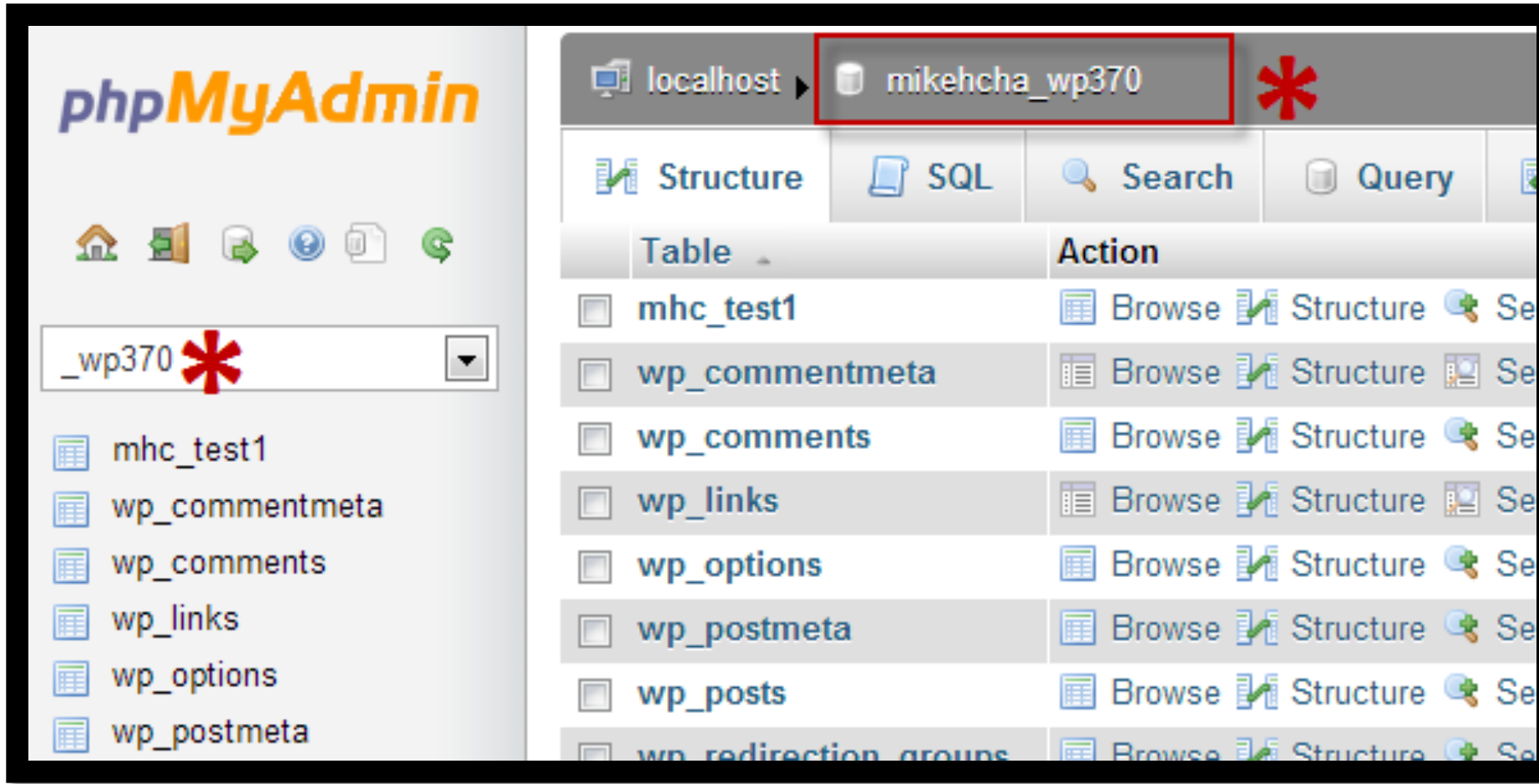
PostgreSQL
Database
Wizard



phpPgAdmin

VISITOR STATS

Database Name! (DB AKA: Catalog)



The screenshot displays the phpMyAdmin web interface. On the left sidebar, the 'phpMyAdmin' logo is at the top, followed by navigation icons. Below these is a dropdown menu showing the selected database '_wp370' with a red asterisk icon. A list of tables is shown below the dropdown: mhc_test1, wp_commentmeta, wp_comments, wp_links, wp_options, and wp_postmeta.

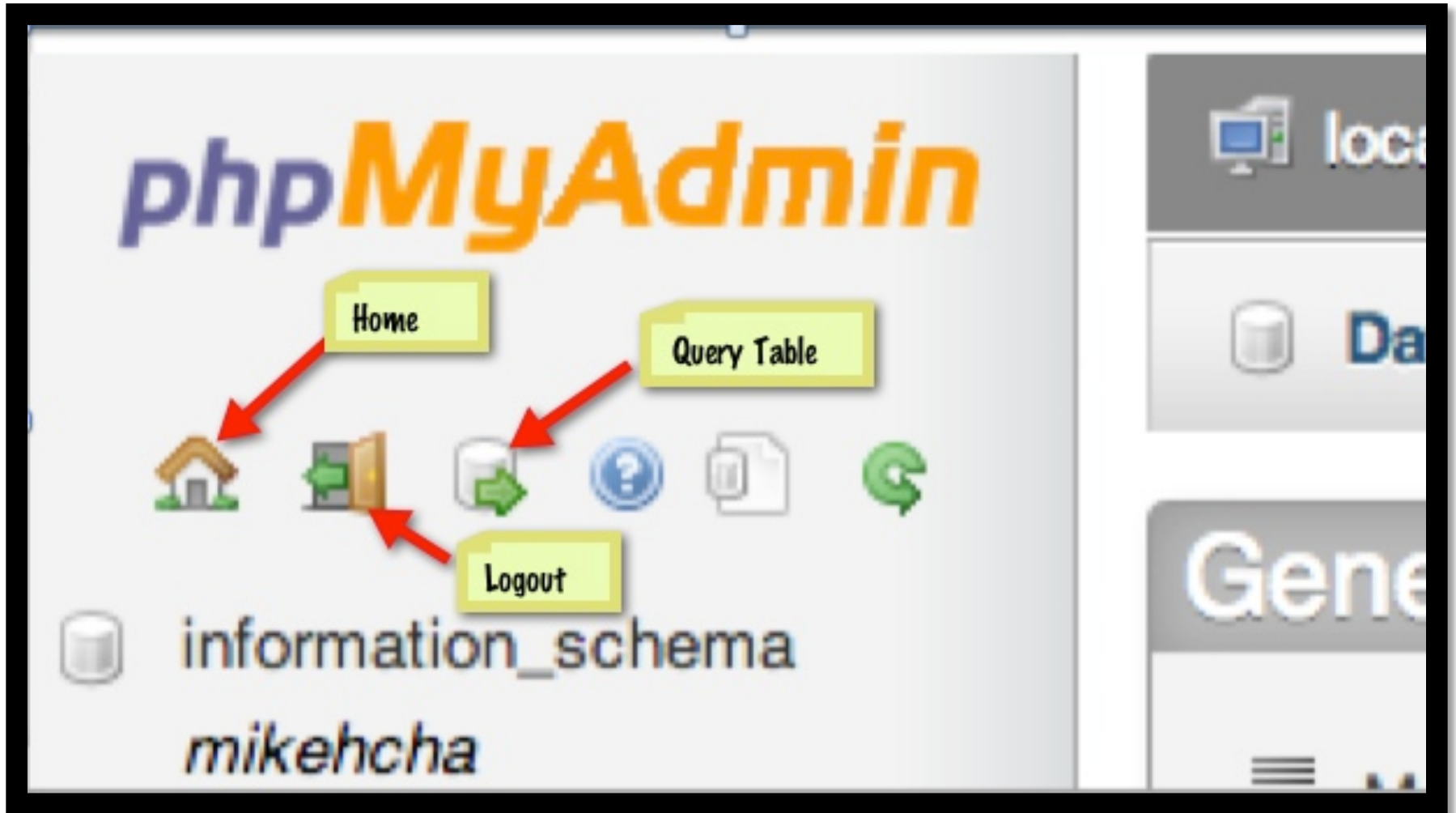
The main content area shows the 'localhost' server with the database 'mikehcha_wp370' selected, highlighted by a red box. To the right of the database name is a red asterisk icon. Below this, there are tabs for 'Structure', 'SQL', 'Search', and 'Query'. The 'Structure' tab is active, displaying a table list with columns 'Table' and 'Action'.

Table	Action
<input type="checkbox"/> mhc_test1	Browse Structure Search
<input type="checkbox"/> wp_commentmeta	Browse Structure Search
<input type="checkbox"/> wp_comments	Browse Structure Search
<input type="checkbox"/> wp_links	Browse Structure Search
<input type="checkbox"/> wp_options	Browse Structure Search
<input type="checkbox"/> wp_postmeta	Browse Structure Search
<input type="checkbox"/> wp_posts	Browse Structure Search
<input type="checkbox"/> wp_redirection_groups	Browse Structure Search

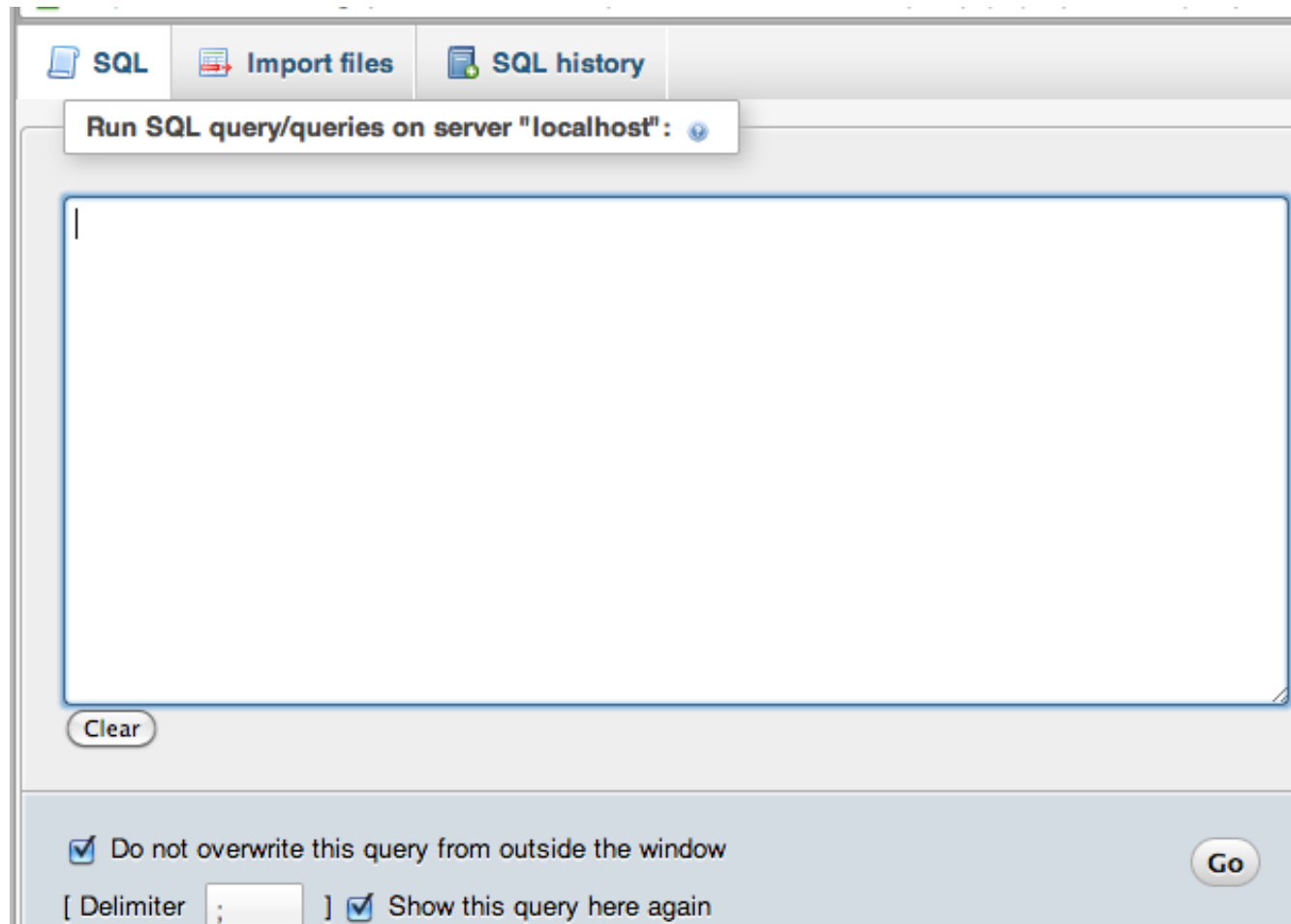
phpMyAdmin Top Left



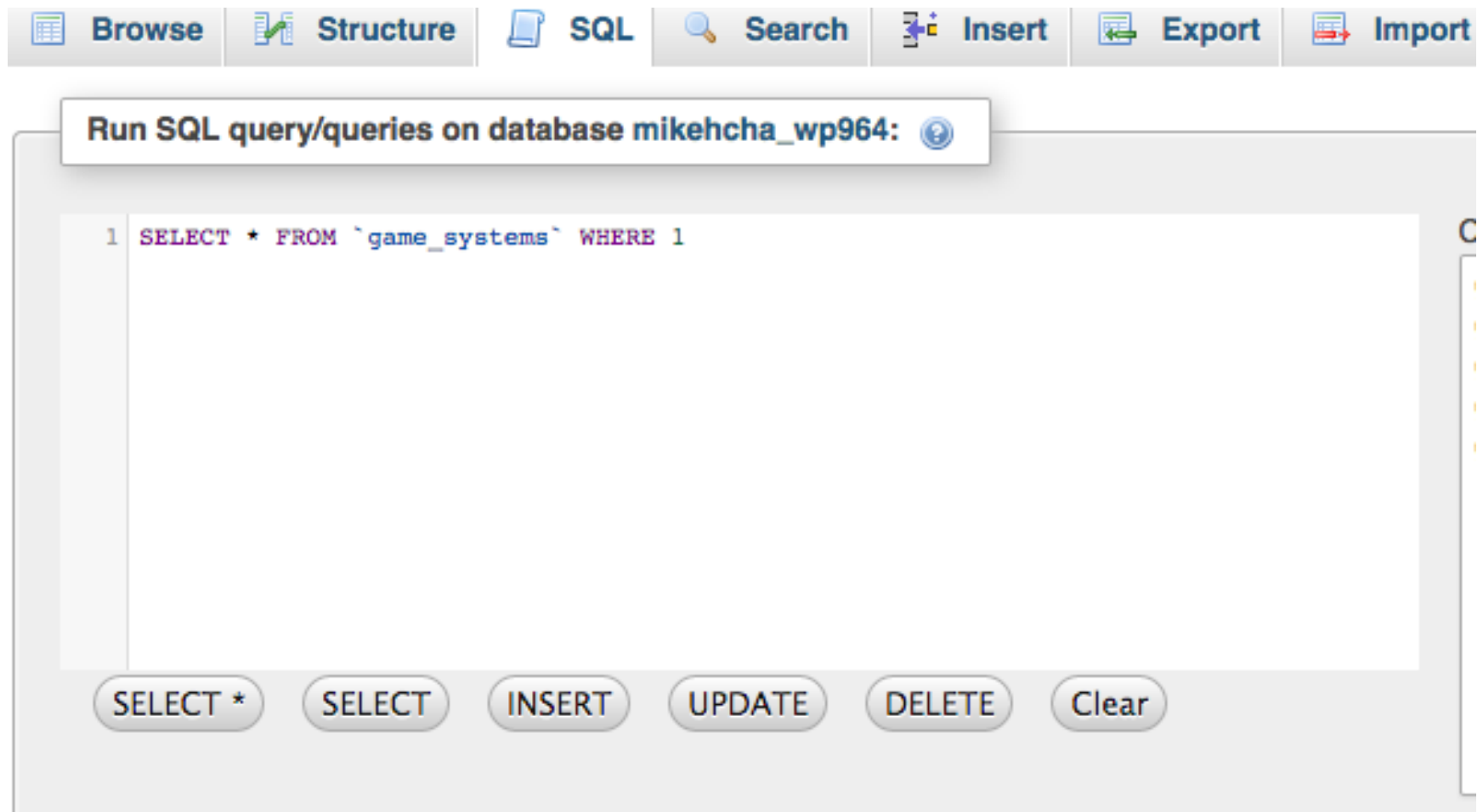
phpMyAdmin Top Left



Query Window – Must Select the Database before You can execute a query



wp964, fully qualified DB name is mikehcha_wp964



Ready To Query

The screenshot shows a database management interface with a toolbar at the top containing buttons for Browse, Structure, SQL, Search, Insert, Export, and Import. Below the toolbar is a text input field with the text "Run SQL query/queries on database mikehcha_wp964:" and a help icon. A red arrow points from the text "Selected Database" to this input field. Below the input field is a text area containing the SQL query: "1 SELECT * FROM `game_systems` WHERE 1". A red arrow points from the text "Selected DB table" to the table name "game_systems" in the query. At the bottom of the interface is a row of buttons: "SELECT *", "SELECT", "INSERT", "UPDATE", "DELETE", and "Clear".

Run SQL query/queries on database mikehcha_wp964: ?

```
1 SELECT * FROM `game_systems` WHERE 1
```

Selected Database

Selected DB table

SELECT * SELECT INSERT UPDATE DELETE Clear

What database am I using?

- When you create a CMS, write down the database name & table prefix
- If you do not write down the database name, most web hosts keep records that you can reference.
- But why take a chance. Write it down when you create the CMS.

WordPress Site Database Details

Edit Installation Details

Directory

/home/mikehcha/public_html/wptest55

URL

http://mikehchase54.net/wptest55

Database Name

mikehcha_wp370

Database User

mikehcha_wp370

Database Password

**Disable Update
Notifications**

☐

If checked you will not receive
an email notification for
updates available for this
installation.

WordPress Create DB Name & Table Prefix

Software Setup

Choose Protocol
If your site has SSL, then please choose the HTTPS protocol.

Choose Domain
Please choose the domain to install the software.

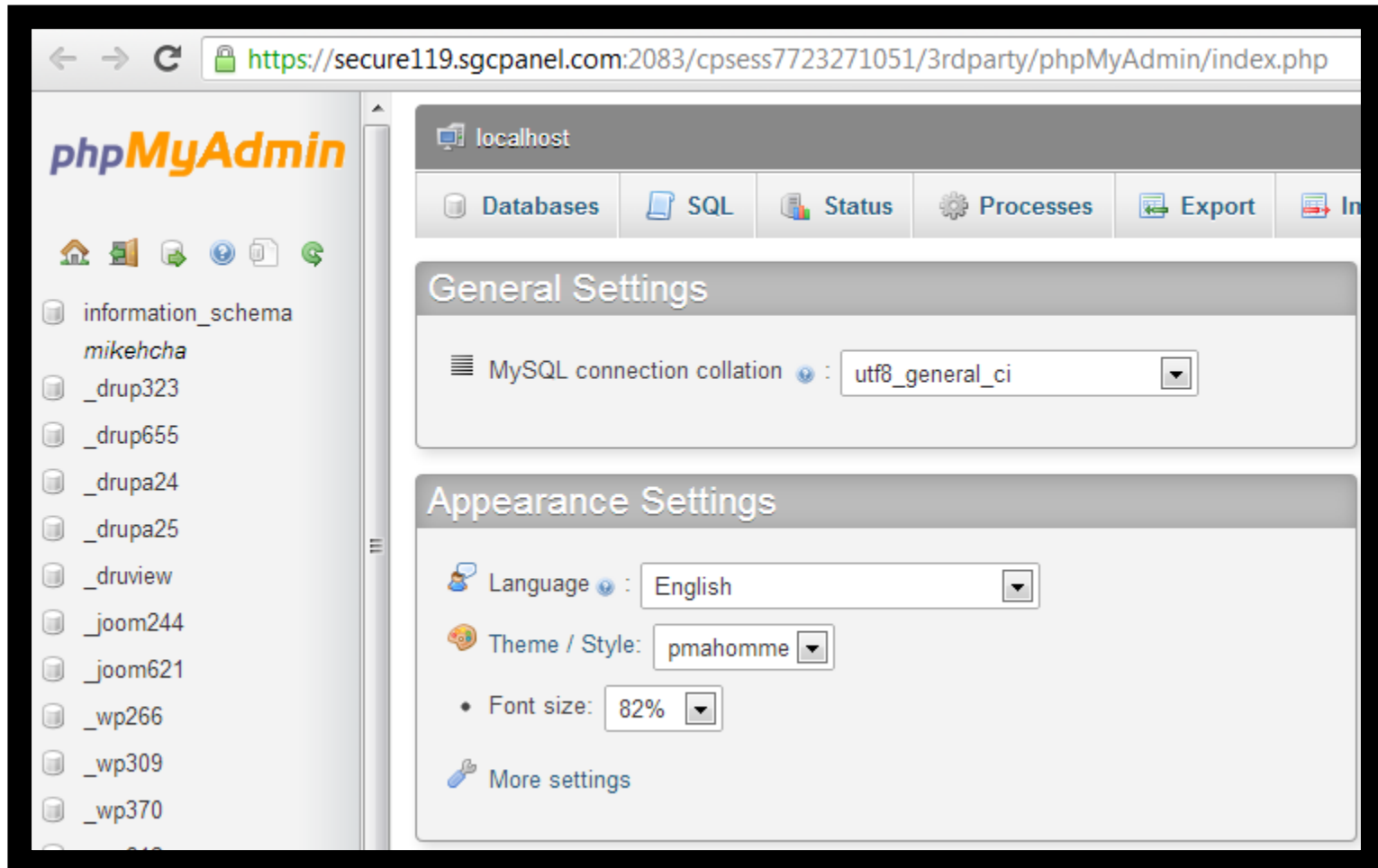
In Directory
The directory is relative to your domain and **should not exist**. e.g. To install at http://mydomain/dir/ just type **dir**. To install only in http://mydomain/ leave this empty.

Database Name
Type the name of the database to be created for the installation

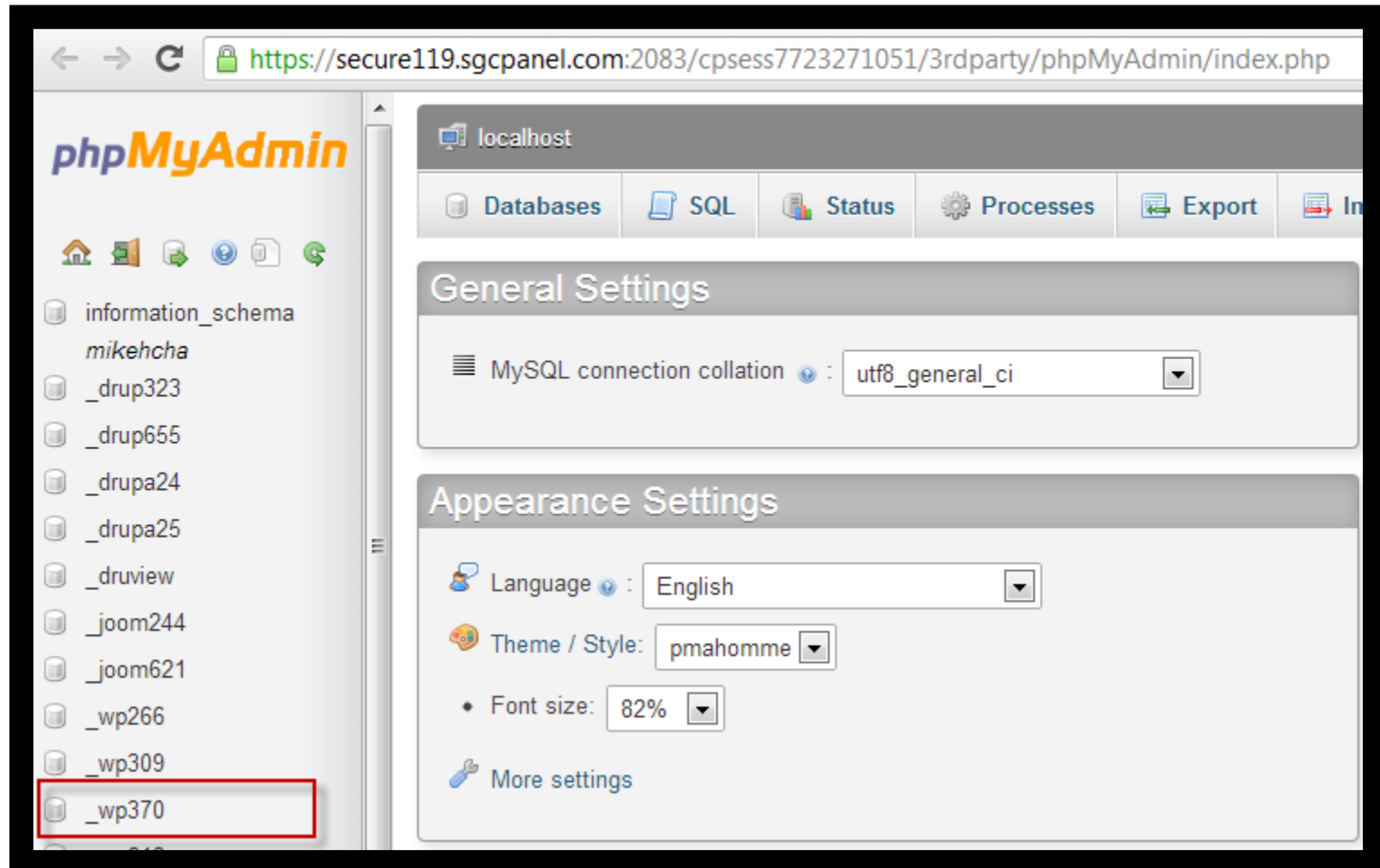
Database Settings

Table Prefix

phpMyAdmin on SiteGround



Selecting a database to work on



Selected database & its tables (top)

The screenshot displays the phpMyAdmin web interface. On the left, a sidebar shows the database '_wp370' selected, with a list of tables including 'mhc_test1', 'wp_commentmeta', 'wp_comments', 'wp_links', 'wp_options', 'wp_postmeta', 'wp_posts', 'wp_redirection_groups', 'wp_redirection_items', 'wp_redirection_logs', 'wp_redirection_modules', 'wp_terms', 'wp_term_relationships', 'wp_term_taxonomy', and 'wp_usermeta'. The main panel shows the 'mikehcha_wp370' database selected, with tabs for 'Structure', 'SQL', 'Search', 'Query', 'Export', 'Import', and 'Operations'. Below these tabs is a table listing the database's tables. Each table row includes a checkbox, the table name, a set of action icons (Browse, Structure, Search, Insert, Empty, Drop), the number of rows, and the storage engine type.

Table	Action	Rows	Type
<input type="checkbox"/> mhc_test1		3	InnoDB
<input type="checkbox"/> wp_commentmeta		0	MyISAM
<input type="checkbox"/> wp_comments		1	MyISAM
<input type="checkbox"/> wp_links		0	MyISAM
<input type="checkbox"/> wp_options		169	MyISAM
<input type="checkbox"/> wp_postmeta		12	MyISAM
<input type="checkbox"/> wp_posts		17	MyISAM
<input type="checkbox"/> wp_redirection_groups		2	InnoDB
<input type="checkbox"/> wp_redirection_items		0	InnoDB
<input type="checkbox"/> wp_redirection_logs		0	InnoDB
<input type="checkbox"/> wp_redirection_modules		3	InnoDB

Selected database & it's tables (bottom)

The screenshot shows the phpMyAdmin interface for a database named 'wp370'. The left sidebar lists various tables, including 'mhc_test1', 'wp_commentmeta', 'wp_comments', 'wp_links', 'wp_options', 'wp_postmeta', 'wp_posts', 'wp_redirection_groups', 'wp_redirection_items', 'wp_redirection_logs', 'wp_redirection_modules', 'wp_terms', 'wp_term_relationships', and 'wp_term_taxonomy'. The main area displays a table of the selected database's tables:

Table	Structure	Search	Insert	Empty	Drop	Rows	Engine	Collation	Size	
<input type="checkbox"/> wp_term_relationships	Browse	Structure	Search	Insert	Empty	Drop	1	MyISAM	utf8_general_ci	3.0 KiB
<input type="checkbox"/> wp_term_taxonomy	Browse	Structure	Search	Insert	Empty	Drop	1	MyISAM	utf8_general_ci	4.0 KiB
<input type="checkbox"/> wp_usermeta	Browse	Structure	Search	Insert	Empty	Drop	18	MyISAM	utf8_general_ci	11.0 KiB
<input type="checkbox"/> wp_users	Browse	Structure	Search	Insert	Empty	Drop	1	MyISAM	utf8_general_ci	4.1 KiB
16 tables	Sum						229	InnoDB	utf8_general_ci	847.5 KiB

Below the table list, there are links for 'Check All / Uncheck All / Check tables having overhead' and a 'With selected:' dropdown. There are also links for 'Print view' and 'Data Dictionary'. A 'Create table on database mikehcha_wp370' form is visible, with fields for 'Name:' and 'Number of columns:', and a 'Go' button.

Creating a new table

The screenshot shows the phpMyAdmin interface. On the left is a sidebar with a list of databases and tables. The main area displays a table list for the 'mikehcha_wp370' database. Below the table list, there are links for 'Print view' and 'Data Dictionary'. A red box highlights the 'Create table on database mikehcha_wp370' button. Below this, there is a form with three main components labeled A, B, and C.

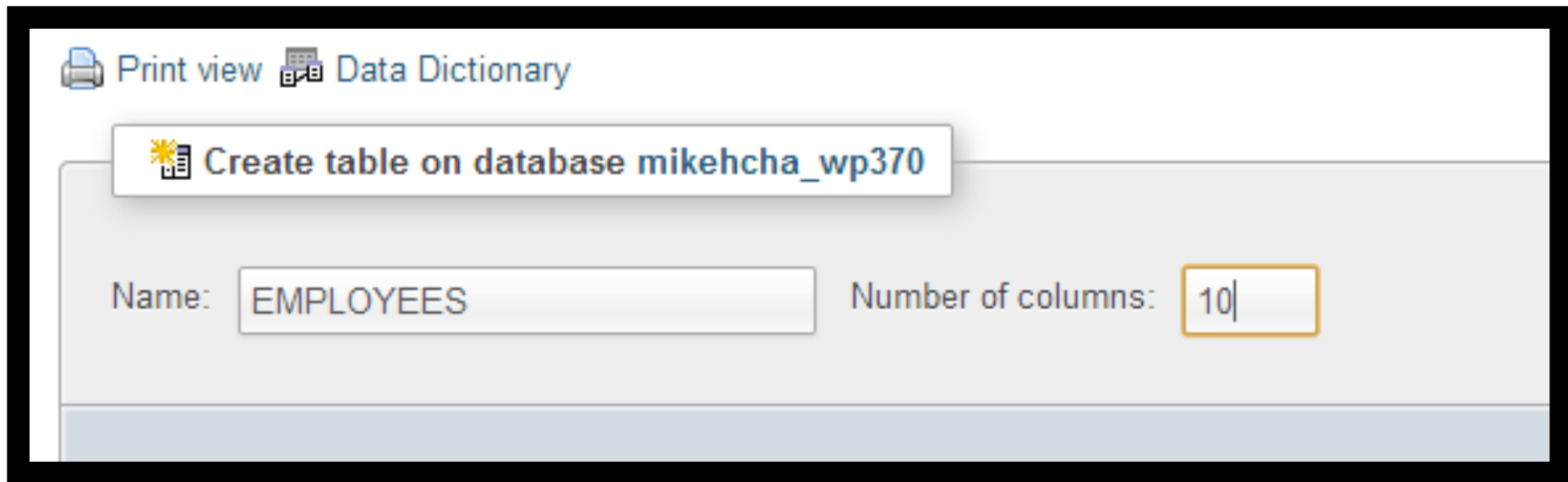
A Name:

B Number of columns:

C

Table	Structure	Search	Insert	Empty	Drop	Engine	Collation	Charset	Size	
wp_term_relationships	Browse	Structure	Search	Insert	Empty	Drop	1	MyISAM	utf8_general_ci	3.0 KiB
wp_term_taxonomy	Browse	Structure	Search	Insert	Empty	Drop	1	MyISAM	utf8_general_ci	4.0 KiB
wp_usermeta	Browse	Structure	Search	Insert	Empty	Drop	18	MyISAM	utf8_general_ci	11.0 KiB
wp_users	Browse	Structure	Search	Insert	Empty	Drop	1	MyISAM	utf8_general_ci	4.1 KiB
16 tables	Sum						229	InnoDB	utf8_general_ci	847.5 KiB

- (A) Enter table name
- (B) Enter the number of columns
- (C) Press Go button (not shown)



The screenshot shows a web application interface with a light blue header. On the left, there is a printer icon and the text "Print view". On the right, there is a document icon and the text "Data Dictionary". Below the header, there is a white box with a yellow star icon and the text "Create table on database mikehcha_wp370". Below this box, there are two input fields. The first is labeled "Name:" and contains the text "EMPLOYEES". The second is labeled "Number of columns:" and contains the text "10".

Print view Data Dictionary

Create table on database mikehcha_wp370

Name: EMPLOYEES Number of columns: 10

Enter column information (left side)

Create Table

Table name:

EMPLOYEES

Column	Type	Length/Values1	Default2
	INT		None
	INT		None
	INT		None
	INT		None

Column Info (middle)

Structure			
Collation	Attributes	Null	Index
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	---
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	---
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	---
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	---
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	---







Column Info (Right side)

Index	A_I	Comments
<input type="text" value="---"/>	<input type="checkbox"/>	<input type="text"/>
<input type="text" value="---"/>	<input type="checkbox"/>	<input type="text"/>
<input type="text" value="---"/>	<input type="checkbox"/>	<input type="text"/>
<input type="text" value="---"/>	<input type="checkbox"/>	<input type="text"/>
<input type="text" value="---"/>	<input type="checkbox"/>	<input type="text"/>

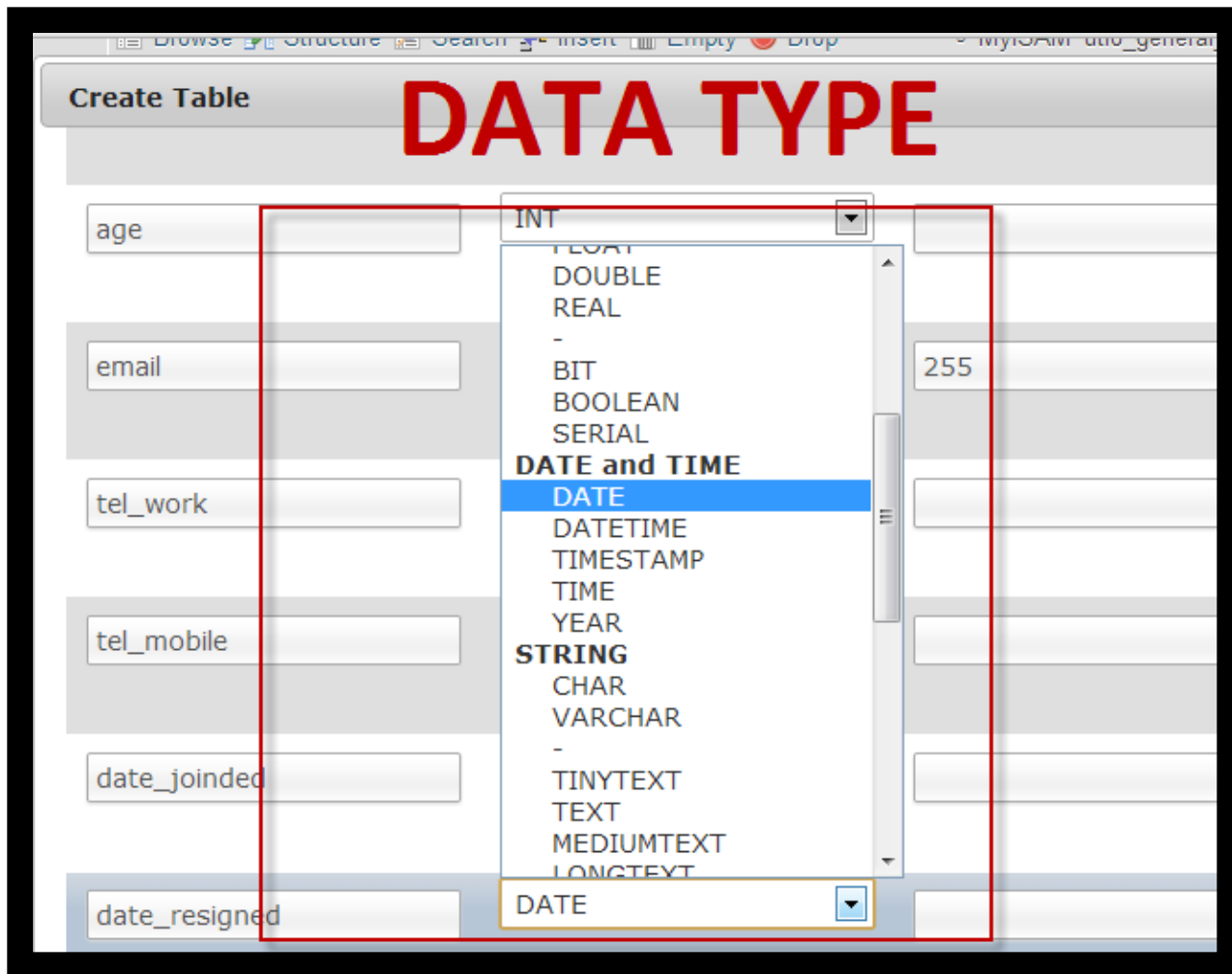
Example Table - EMPLOYEES

Create Table

Table name:

Column	Type 	Length/Values1	Def
<input type="text" value="employee_id"/>	<input type="text" value="INT"/> 	<input type="text"/>	<input type="text" value="N"/>
<input type="text" value="first_name"/>	<input type="text" value="VARCHAR"/> 	<input type="text" value="255"/>	<input type="text" value="N"/>
<input type="text" value="middle_initial"/>	<input type="text" value="VARCHAR"/> 	<input type="text" value="255"/>	<input type="text" value="N"/>
<input type="text" value="last_name"/>	<input type="text" value="VARCHAR"/> 	<input type="text" value="255"/>	<input type="text" value="N"/>
<input type="text" value="age"/>	<input type="text" value="INT"/> 	<input type="text"/>	<input type="text" value="N"/>

Data Types



Employees table created

```
SELECT *  
FROM EMPLOYEES  
LIMIT 0, 30
```

#	Column	Type	Collation	Attributes	Null	Default	Extra	Action
<input type="checkbox"/>	1 <u>employee_id</u>	int(11)			No	None		Change Drop More ▼
<input type="checkbox"/>	2 first_name	varchar(255)	utf8_general_ci		No	None		Change Drop More ▼
<input type="checkbox"/>	3 last_name	varchar(255)	utf8_general_ci		No	None		Change Drop More ▼
<input type="checkbox"/>	4 middle_initial	varchar(10)	utf8_general_ci		Yes	NULL		Change Drop More ▼
<input type="checkbox"/>	5 email	varchar(255)	utf8_general_ci		No	None		Change Drop More ▼
<input type="checkbox"/>	6 tel_worl	varchar(255)	utf8_general_ci		No	None		Change Drop More ▼
<input type="checkbox"/>	7 tel_mobile	varchar(255)	utf8_general_ci		Yes	NULL		Change Drop More ▼
<input type="checkbox"/>	8 date_joined	date			No	None		Change Drop More ▼
<input type="checkbox"/>	9 date_resigned	date			Yes	NULL		Change Drop More ▼
<input type="checkbox"/>	10 department	varchar(255)	utf8_general_ci		No	None		Change Drop More ▼

Check All / Uncheck All With selected: Browse Change Drop Primary Unique

Adding a Primary Key

The screenshot shows a table with the following columns:

#	Column	Type	Collation	Attributes	Null	Default	Extra	Action
1	<u>employee_id</u>	int(11)			No	None		Change Drop More
2	first_name	varchar(255)	utf8_general_ci		No	None		Browse distinct values
3	last_name	varchar(255)	utf8_general_ci		No	None		Add primary key
4	middle_initial	varchar(10)	utf8_general_ci		Yes	NULL		Add unique index
5	email	varchar(255)	utf8_general_ci		No	None		Add index
6	tel_worl	varchar(255)	utf8_general_ci		No	None		Add FULLTEXT index
7	tel_mobile	varchar(255)	utf8_general_ci		Yes	NULL		Change Drop More
8	date_joined	date			No	None		Change Drop More
9	date_resigned	date			Yes	NULL		Change Drop More
10	department	varchar(255)	utf8_general_ci		No	None		Change Drop More



The context menu for the 'employee_id' column is open, showing the following options:

- Browse distinct values
- Add primary key
- Add unique index
- Add index
- Add FULLTEXT index

Red arrows indicate the sequence of actions: clicking the 'More' button in the 'employee_id' row, and then clicking 'Add primary key' in the context menu.

PRIMARY Key info at bottom of page

Indexes: 

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

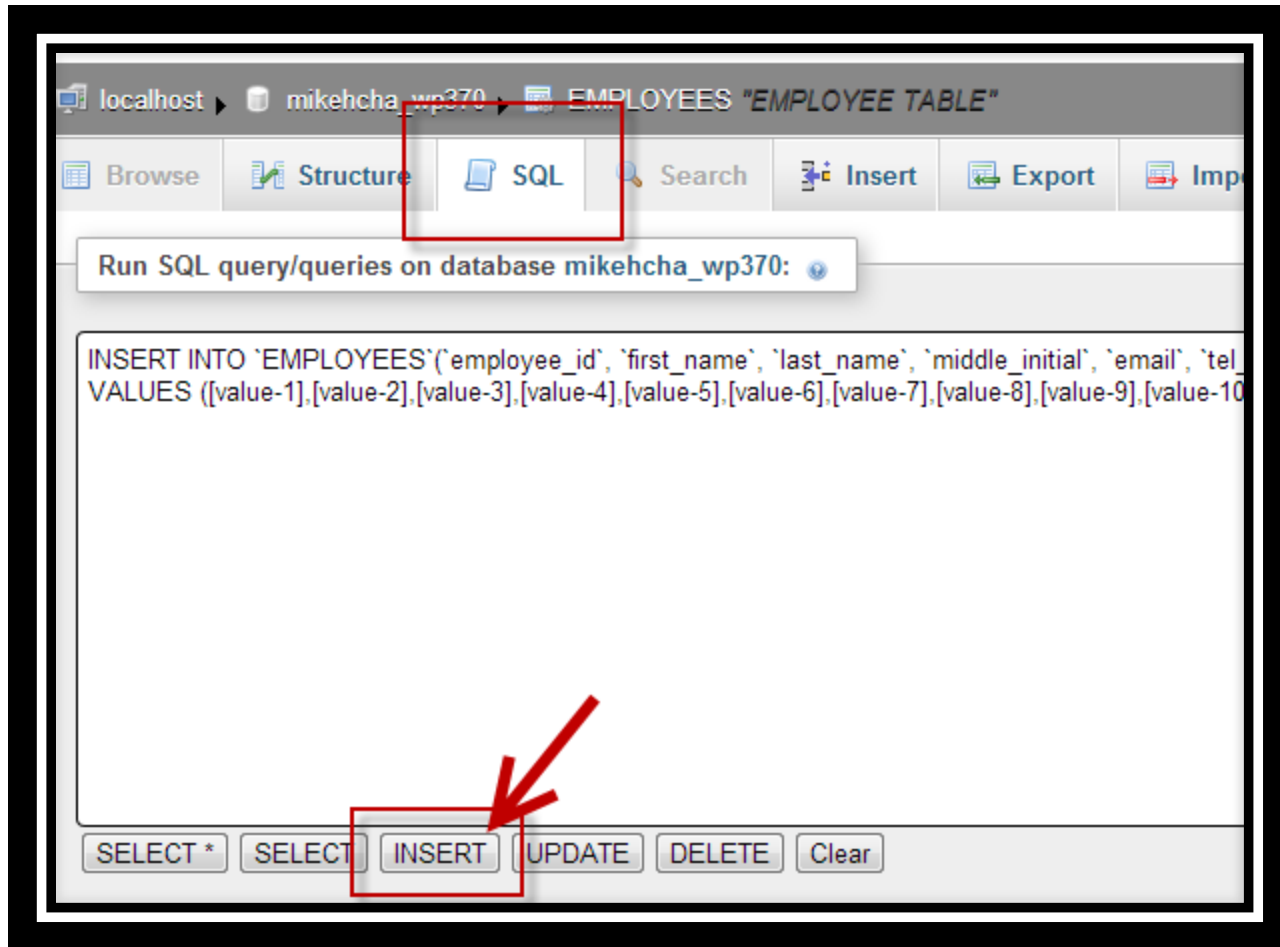
Inserting data with phpMyAdmin Insert

localhost ▶ mikehcha_wp370 ▶ EMPLOYEES "EMPLOYEE TABLE"

[Browse](#) [Structure](#) [SQL](#) [Search](#) [Insert](#) [Export](#) [Import](#) [O](#)

Column	Type	Function	Null	Value
employee_id	int(11)	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
first_name	varchar(255)	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
last_name	varchar(255)	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
middle_initial	varchar(10)	<input type="text"/>	<input checked="" type="checkbox"/>	<input type="text"/>
email	varchar(255)	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
tel_work	varchar(255)	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>

INSERT with SQL tab & default statement generator



Successful Insert

✓ 1 row inserted. (Query took 0.0019 sec)

```
INSERT INTO `EMPLOYEES` (`employee_id`, `first_name`, `last_name`, `middle_initial`, `email`, `tel_worl`, `tel_mobile`, `date_joined`, `department`)
VALUES ( 1, 'Mike', 'Chase', 'H', 'mchase2@cdm.depaul.edu', '847-432-0216', '847-878-6225', '04-21-2012', 'Computer Services')
```

Run SQL query/queries on database mikehcha_wp370: ⓘ

```
INSERT INTO `EMPLOYEES`(`employee_id`, `first_name`, `last_name`, `middle_initial`, `email`, `tel_worl`, `tel_mobile`, `date_joined`, `department`)
VALUES (1, 'Mike','Chase','H','mchase2@cdm.depaul.edu','847-432-0216','847-878-6225','04-21-2012','Computer Services')
```

A SQL backup File Example (.sql)

```
29 CREATE TABLE IF NOT EXISTS `EMPLOYEES` (  
30     `employee_id` int(11) NOT NULL,  
31     `first_name` varchar(255) NOT NULL,  
32     `last_name` varchar(255) NOT NULL,  
33     `middle_initial` varchar(10) DEFAULT NULL,  
34     `email` varchar(255) NOT NULL,  
35     `tel_work` varchar(255) NOT NULL,  
36     `tel_mobile` varchar(255) DEFAULT NULL,  
37     `date_joined` date NOT NULL,  
38     `date_resigned` date DEFAULT NULL,  
39     `department` varchar(255) NOT NULL,  
40     PRIMARY KEY (`employee_id`)  
41 ) ENGINE=InnoDB DEFAULT CHARSET=utf8 COMMENT='EMPLOYEE TABLE';  
42  
43 --  
44 -- Dumping data for table `EMPLOYEES`  
45 --  
46  
47 INSERT INTO `EMPLOYEES` (`employee_id`, `first_name`, `last_name`, `middle_initial`, `email`, `tel_work`, `tel_mobile`, `date_joined`, `date_resigned`, `department`) VALUES  
48 (1, 'Mike', 'Chase', 'H', 'mchase2@cdm.depaul.edu', '847-432-0216', '847-878-6225', '0000-00-00', NULL, 'Computer Services'),  
49 (2, 'Bill', 'Vec', 'L', 'billy@cubs.com', '847-222-8888', '847-333-4444',
```

SQL Backup File (.sql)

- I will provide you with a *.sql* backup file for the WordPress assignment.
- You can create the two database tables by hand and insert all the data rows by hand.
 - *or*
- *You can create the table and load the data in about 1 minute by importing the table and data using the **.sql** backup file.*

Steps to Import From a SQL Backup File (Provided the SQL file has correct prefix)

1. Login to your web host as site admin
2. Access my accounts
3. Access the cPanel
4. Find the Database RDBMS section and select phpMyAdmin
5. Select the database
6. Press the import button
7. Select File Chooser button
8. Find and select the backup .sql file
9. Press the “Go” button to run the import
10. Verify the import worked by viewing the table contents