Section 1: Server Configuration
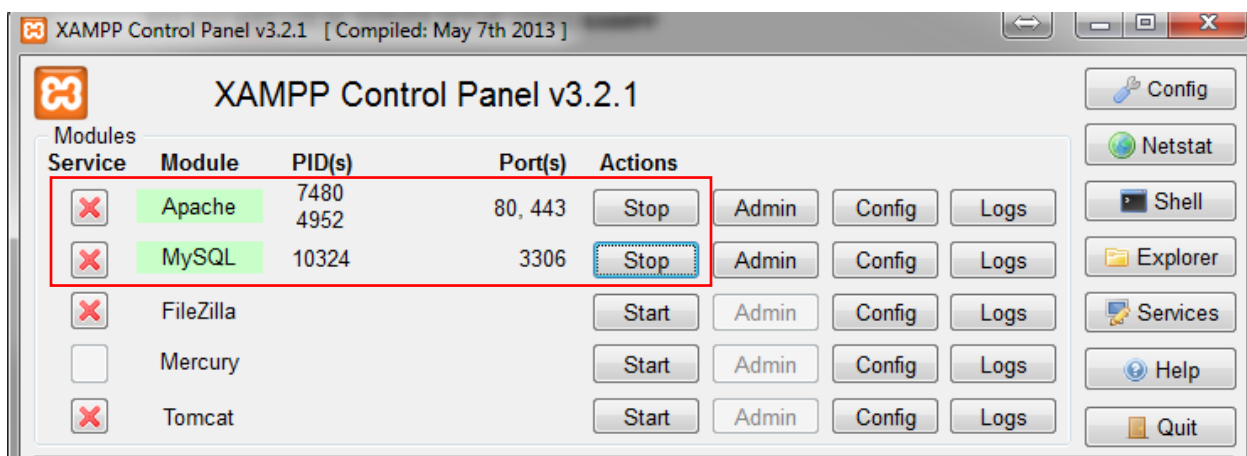
1. Install Apache server (XAMPP).
   - https://www.apachefriends.org/download.html

2. Run the XAMPP Control Panel **as an administrator** [right click > Run as administrator].
3. Click **Start** on Apache and MySQL.

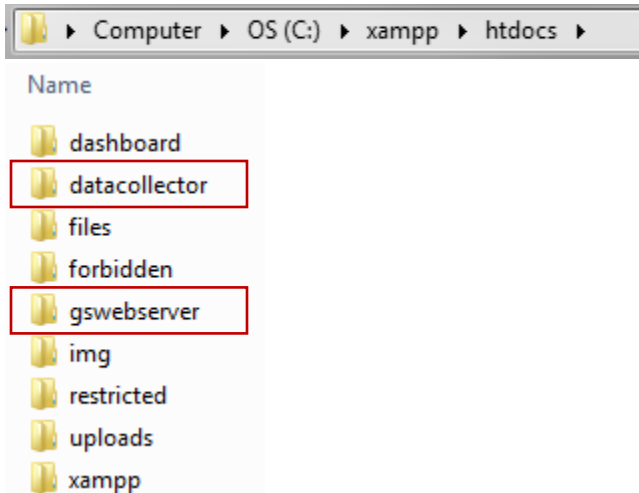- Make sure any applications that may be using port 80 are terminated [i.e. Skype].

4. Download & extract [unzip] the following two files and copy them into C:\xampp\htdocs.
   - gswebserver.zip
   - datacollector.zip

5. To make sure the Apache server has installed properly type
   http://localhost/gswebserver/index.html into a web browser. The page below should be
   displayed:

6. Configure the SQL database by pressing the **Admin** button in XAMPP control panel.
   - Select **test**
   - Set the **Name** to **datacollector**
   - Change the **Number of columns** to **2**
   - Click **Go**
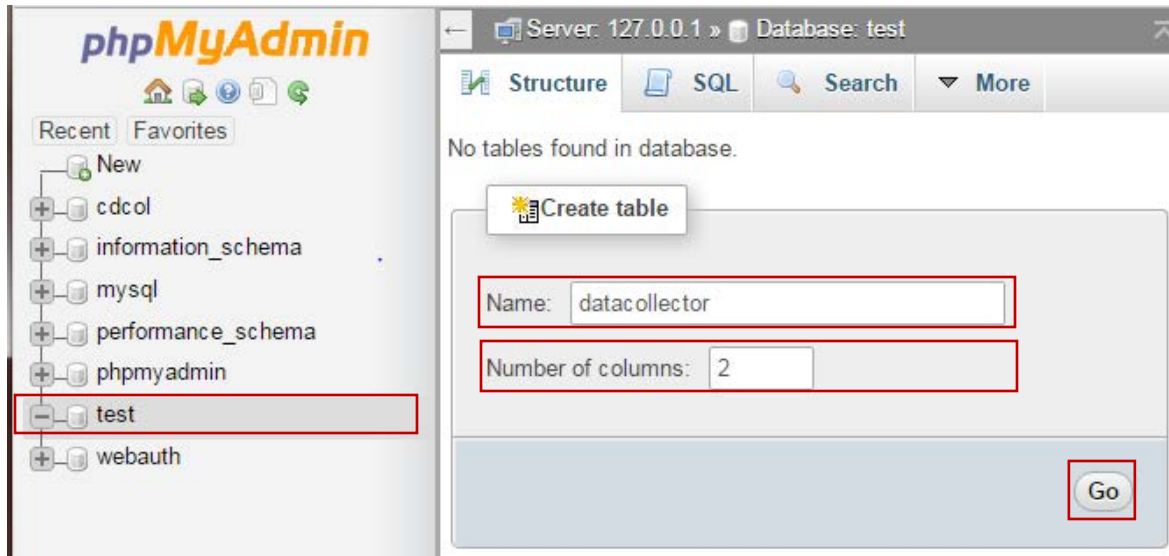
7. Configure the table with the following values:
   - Row 1: Name = **barcode_data**, type = **TEXT**
   - Row 2: Name = **timestamp**, type = **TIMESTAMP**
   - Click **Save**

- To make sure everything installed properly type http://localhost/datacollector/CheckUpdateData.php into a web browser. The page below should be displayed:

Barcode data received from KDC [num: 0]

0 results

Section 2: KDC Configuration

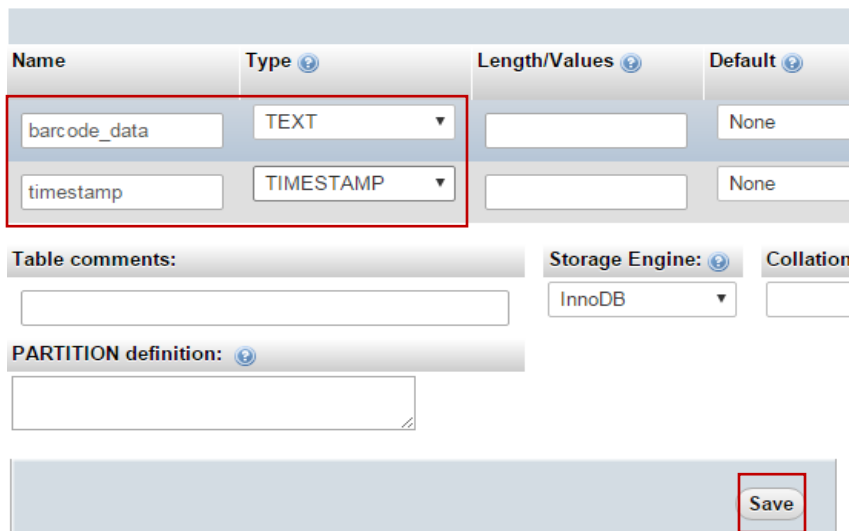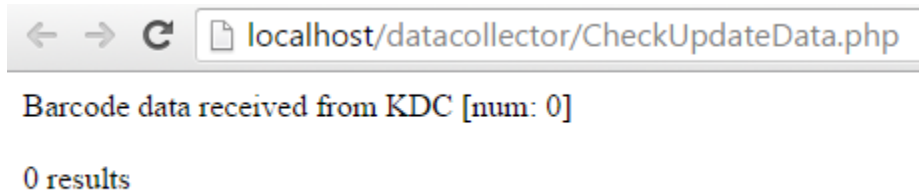The following steps demonstrate how to configure the WiFi settings via programming barcodes. The user can also manually enter WiFi settings directly on the scanner by pressing the Menu Button > WiFi Config and using the keypad to type in the settings.

The **Port** and **Server page** should be set to the following:

- PORT #: 80(HTTP) if SSL is Disabled **OR** 443(HTTPS) if SSL is Enabled
- SERVER PAGE: /datacollector/InsertData.php?data=

The user will enter their own **AP SSID**, **AP Passcode**, and **IP Address.**

Scanning programming barcodes

The following is an example on how to configure the Server page using programming barcodes. The user will have to create their own custom barcodes for each AP setting (SSID, Passcode, IP Address).

For the full list of programming barcodes visit:

https://koamtac.com/wp-content/uploads/HowToUseKDC350WiFi_V1.1_20151219.pdf

1. Scan the server page barcode

2. Scan the following barcode, which contains the server page information:

3. Done! The server page was now set to /datacollector/InsertData.php?data=

Server IP

Scan Server IP followed by custom barcode containing the IP Address

AP SSID

Scan AP SSID followed by custom barcode containing the AP SSID

AP Passcode

Scan AP Passcode followed by custom barcode containing the AP passcode

Once your scanner is configured, scan WiFi Enable followed by Connect. Done!

WiFi Enable

Connect

When scanning barcodes, the user should receive the message "[POST] Scan Successful" when the data is transmitted to the server.