Steps For Installation of 'localhost' on a Mac:

1. **MAMP**:

   MAMP stands for Macintosh, Apache, MySQL and PHP. With just a few mouse-clicks, one can install Apache, PHP and MySQL in one go on a Mac by obtaining MAMP software from the following location:

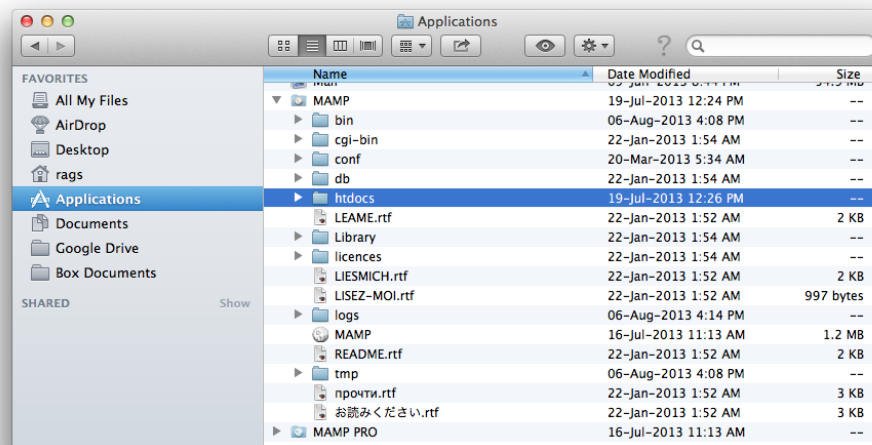   http://www.mamp.info/en/index.html

   MAMP is installed like a regular Mac application. By running the MAMP installer, Apache, PHP and MySQL are installed on the system without having to run a script or changing any configuration files. MAMP will not compromise any existing Apache installation running on the system.

   MAMP (non-pro version) is available for free and it can be used to deploy a local server environment on the Mac quickly and easily.
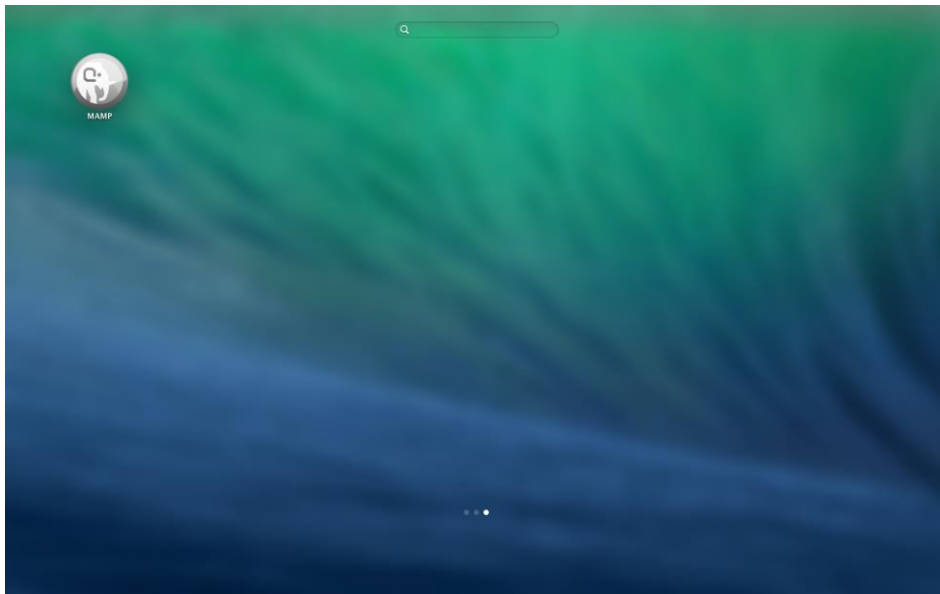
2. Install MAMP Software on Mac using the installer downloaded in the previous step. As the case with every application installation on the Mac, administrator password of the system is required. Please enter administrator password during the installation when prompted.

3. Once the MAMP is installed, it is ready to be configured for server deployment.

4. To deploy any server environment locally using MAMP, copy all the files related to the server into 'htdocs' folder under MAMP folder on the Mac.
   Normally, 'htdocs' can be found under the following location:

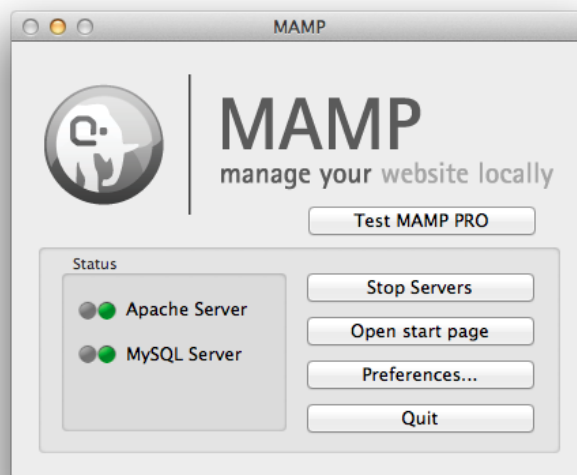   *Applications→MAMP→htdocs*

5. At this Point, the localhost is setup on the Mac with the required server files. You now have to import the server database into the localhost to complete the setup. This can be done as follows:

6. First, Launch the MAMP Application by clicking on the MAMP icon in *Launchpad* (Click on the *Launchpad* icon on the Dock and scroll to find the MAMP icon)
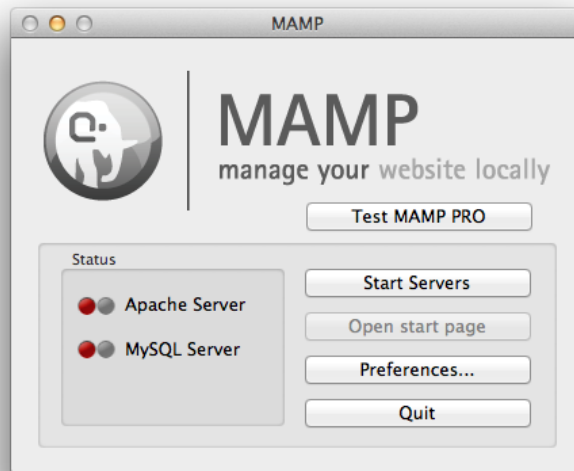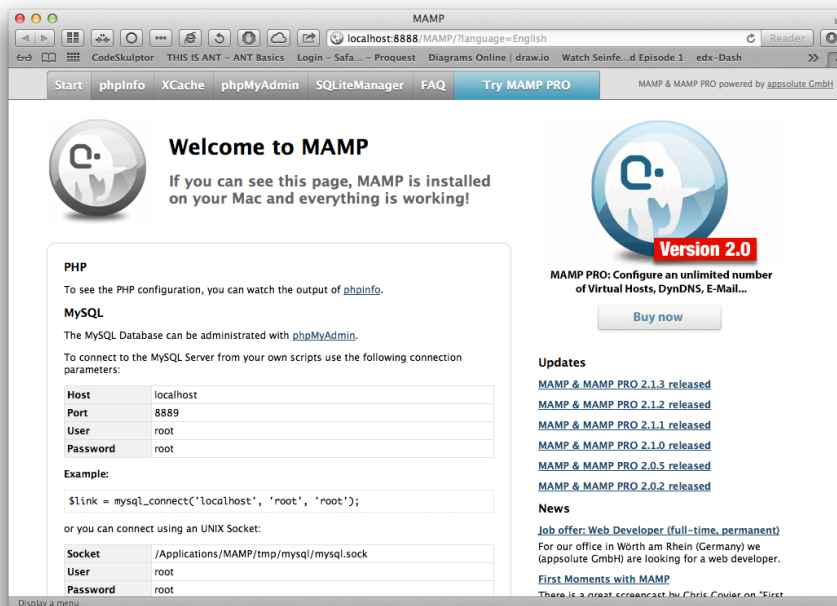
Launchpad→MAMP

7. Once the MAMP Application starts, Click on *Start Servers* Button

8. Once the Servers start, the Server Status indication turns Green from Red.

9. Starting of the Servers also triggers the launch of the main MAMP page in the default Web Browser of the system.

10. To import the server database into localhost;

   a. First, Obtain the server copy of the database by exporting the database in '.sql' format and copying the file into the system on which localhost is being setup.
   Please Note: CSV file also can be imported following the step as:

In phpMyAdmin, click the table, and then click the Import tab at the top of the page.
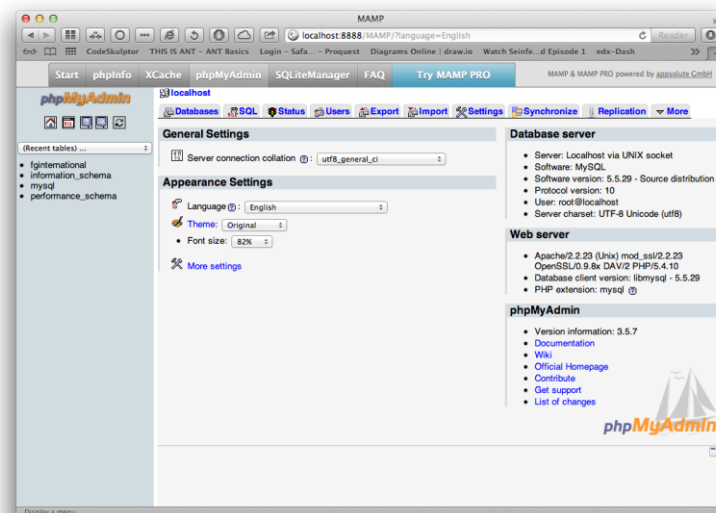
Browse and open the csv file. Leave the charset as-is. Uncheck partial import unless you have a HUGE dataset (or slow server). The format should already have selected "CSV" after selecting your file, if not then select it (not using LOAD DATA). If you want to clear the whole table before importing, check "Replace table data with file". Optionally check "Ignore duplicate rows" if you think you have duplicates in the CSV file. Now the important part, set the next four fields to these values:

Fields terminated by: ,
Fields enclosed by: "
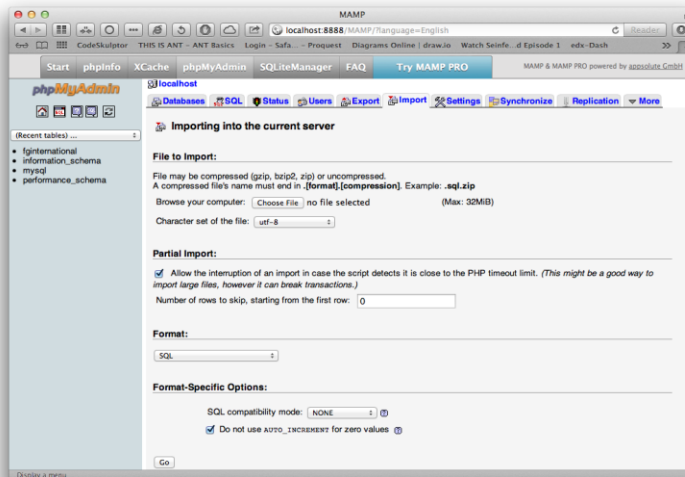Fields escaped by: \
Lines terminated by: auto

Currently these match the defaults except for "Fields terminated by", which defaults to a semicolon.
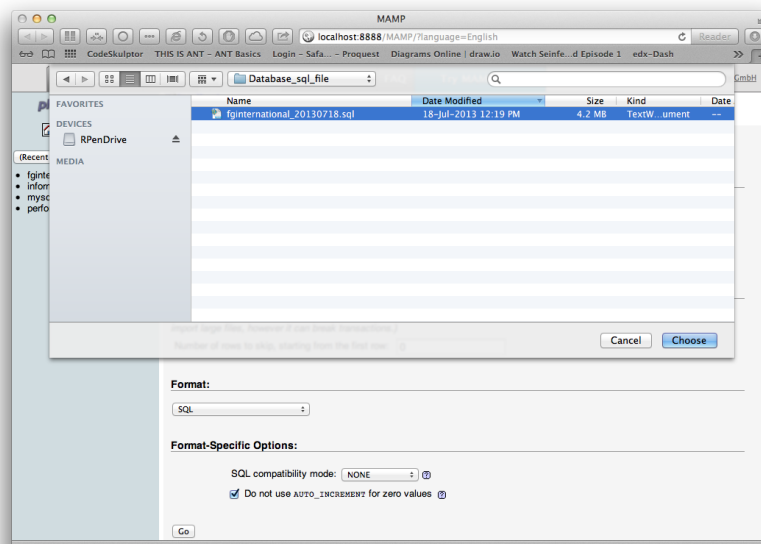
Now click the *Go* button, and it should run successfully.

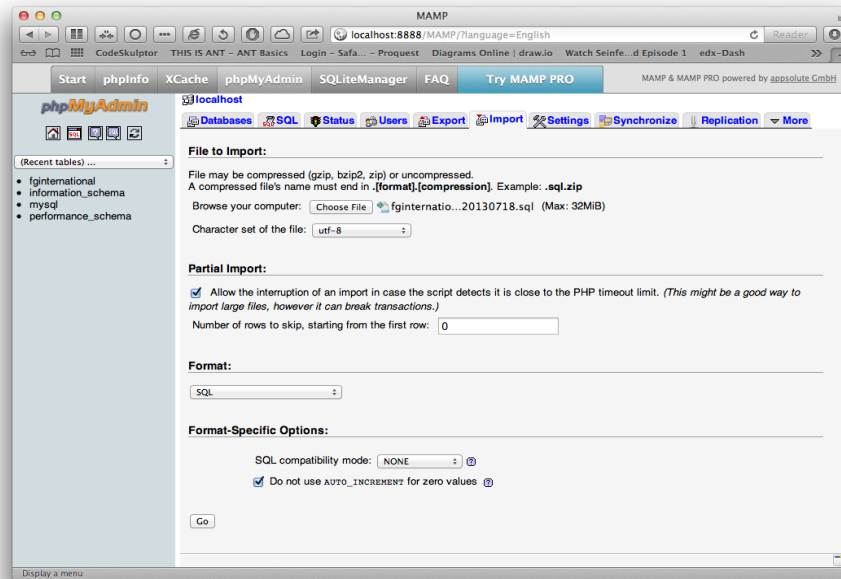b. Now, from the MAMP start page, Click on the *phpMyAdmin* link to access the phpMyAdmin page as shown below.

c. On the phpMyAdmin page, click on *Import* link on the screen which brings up the following page;

d. Now, click on *choose file* button to select the exported database file from the server (obtained in step 11 a.) and click on *Choose* once the file is selected.

e. Now, click on the *Go* button on the screen to start the database import while leaving all the other configurations on the screen set to their default values

     f.   Once this step completes successfully, the server database is imported into localhost and the setup is complete.

11. Now, to test the local copy of your site, Enter the following url into a web browser;

    http://localhost:8888/<ServerName>

    <u>Note:</u>
      1.   <ServerName> should be the same as the name of the folder placed in *'htdocs'* folder in step 4*)*

      2.   Change the Port number to reflect the configuration of your system. Normally, with default installation the port number for MAMP is 8888.

12. This completes the Installation and Setup of 'localhost' on the Mac. Your Website copy is now available locally on the Mac. File changes can be made on the local Copy and tested before deploying on the production server.