

ITVoyagers (itvoyagers.in)

Study and implementation of Storage as a Service

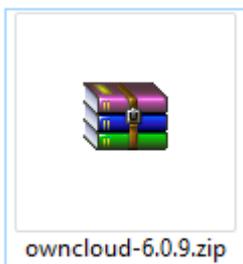
Download OwnCloud from link given below.

https://drive.google.com/open?id=1W-GgFzxnBQkpOi_oHkeR2GTqNL8vkyo2

We also need XAMPP Server, you can download it from link given below.

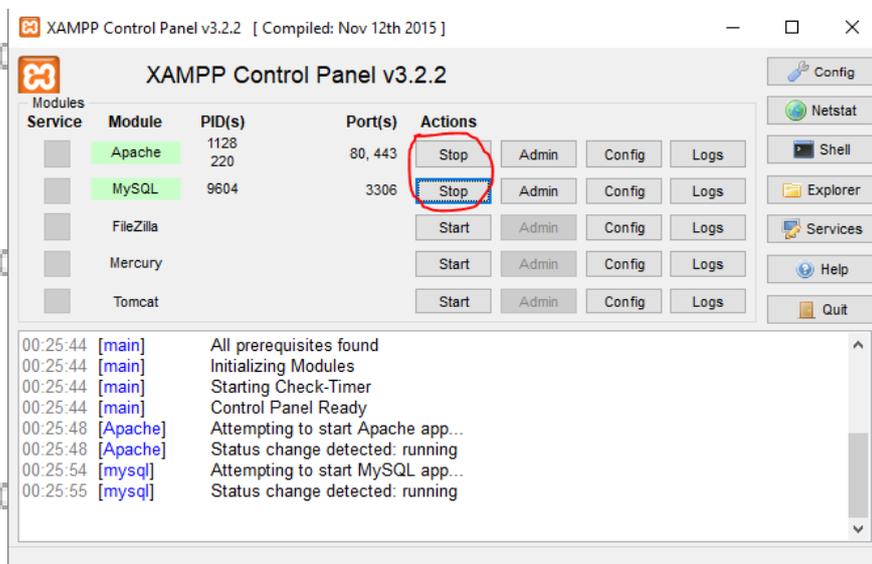
<https://www.apachefriends.org/download.html>

First install XAMPP Server.



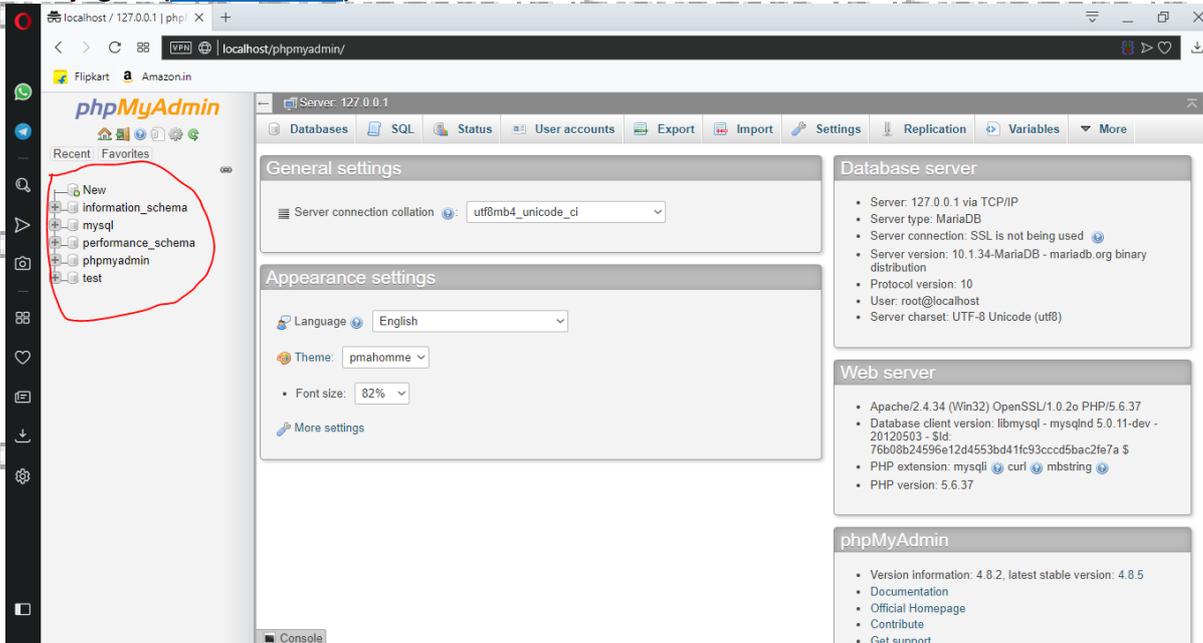
Once you download OwnCloud, you will get the above .zip file, extract it in
“C:\xampp\htdocs”

Now open XAMPP Control Panel and start the Apache and MySQL services.

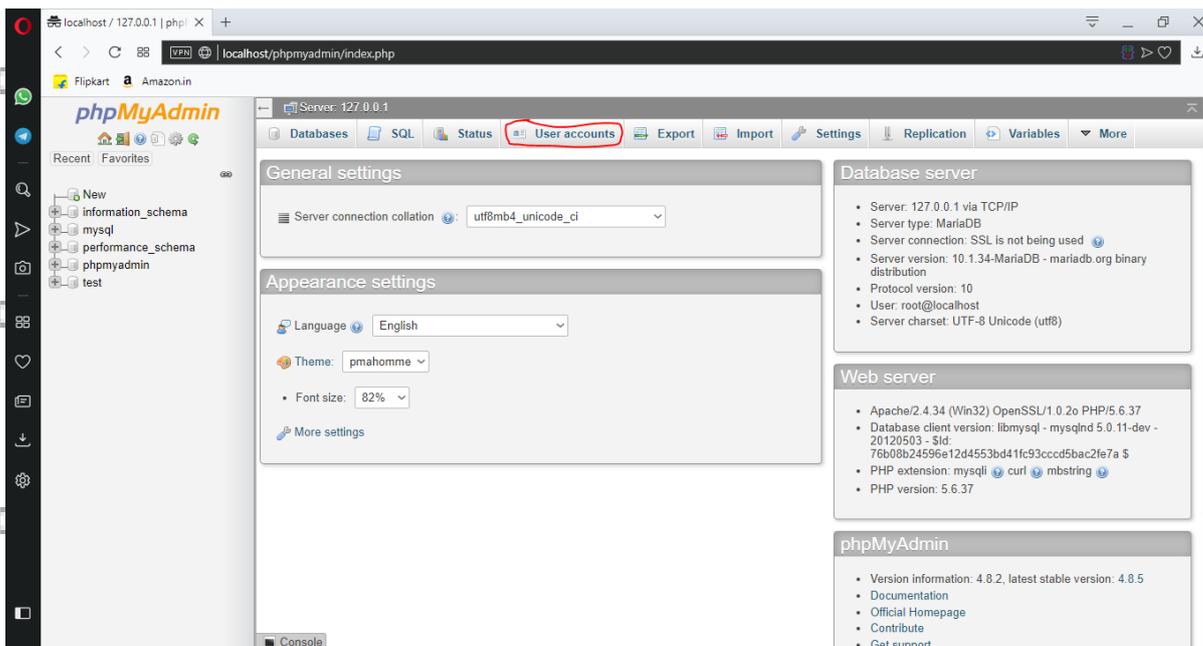


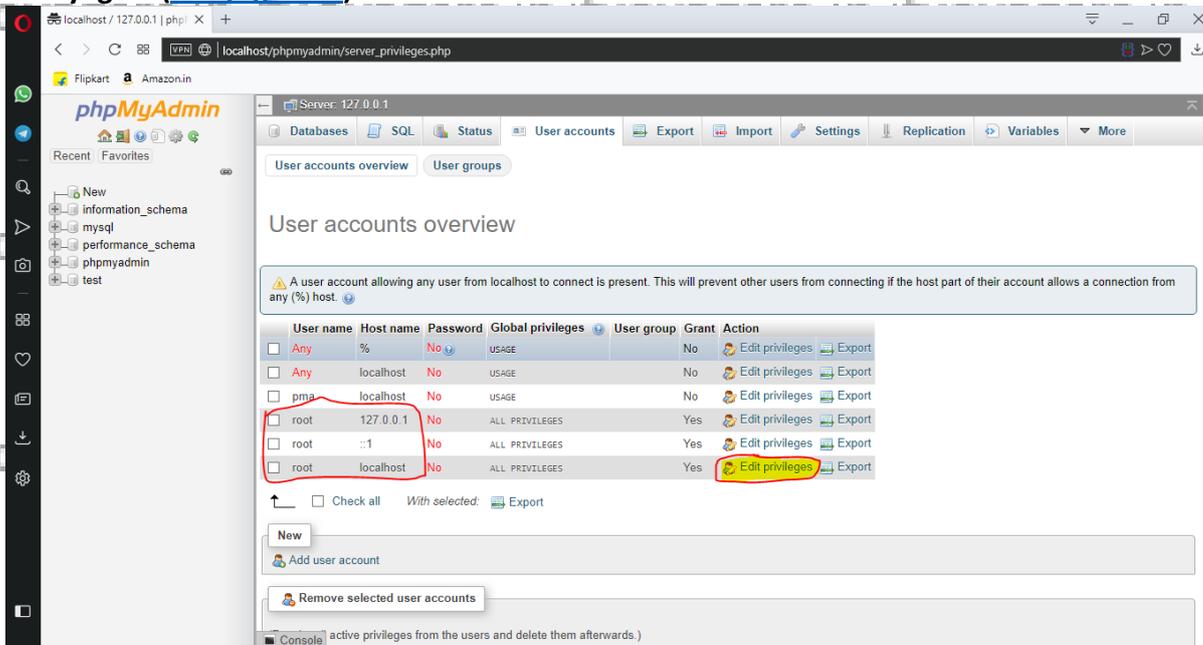
Now go to browser and enter “<http://localhost/phpmyadmin/>” in URL bar.

We can see that there is no database created for OwnCloud.



Now by default password there is no password for root. We have to set password for root for that go to **“User accounts”**.

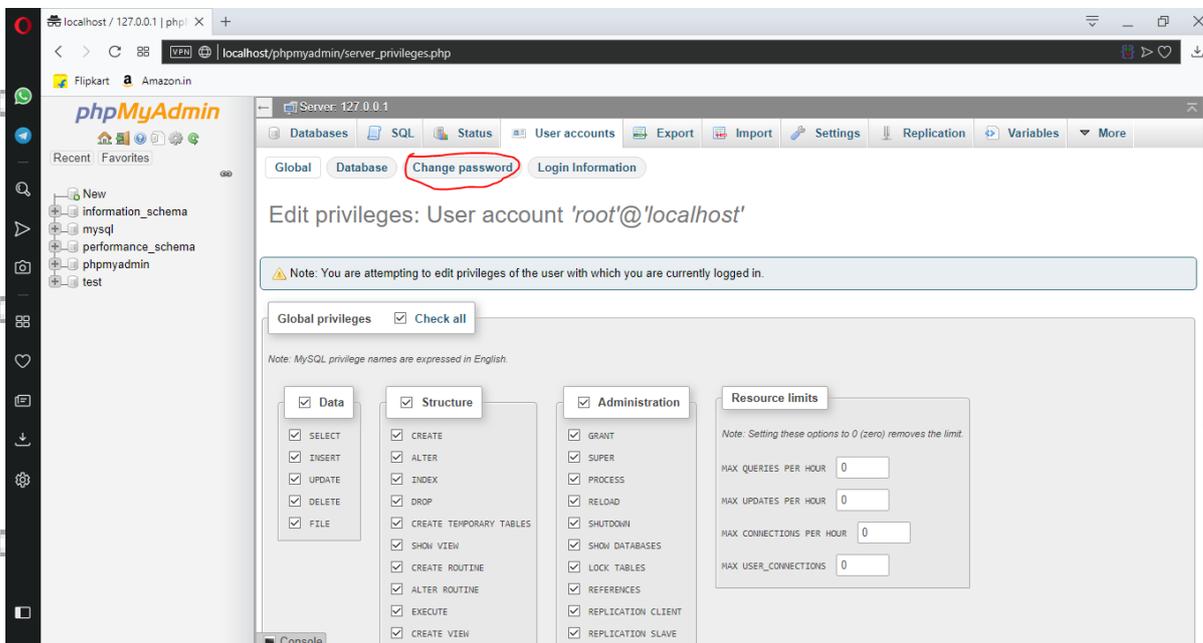




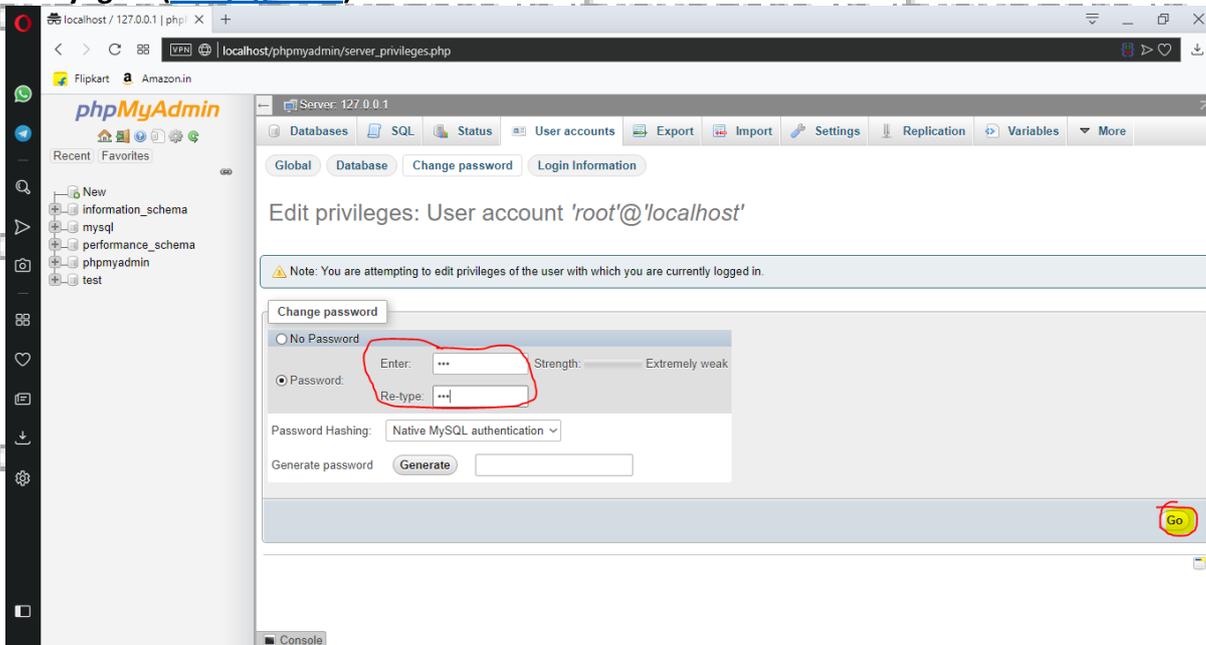
We can see that root user can be logged in through three different hosts and those are: "127.0.0.1", "::1" and "localhost".

To set password we have to click on "Edit privileges". First we will set password for "localhost".

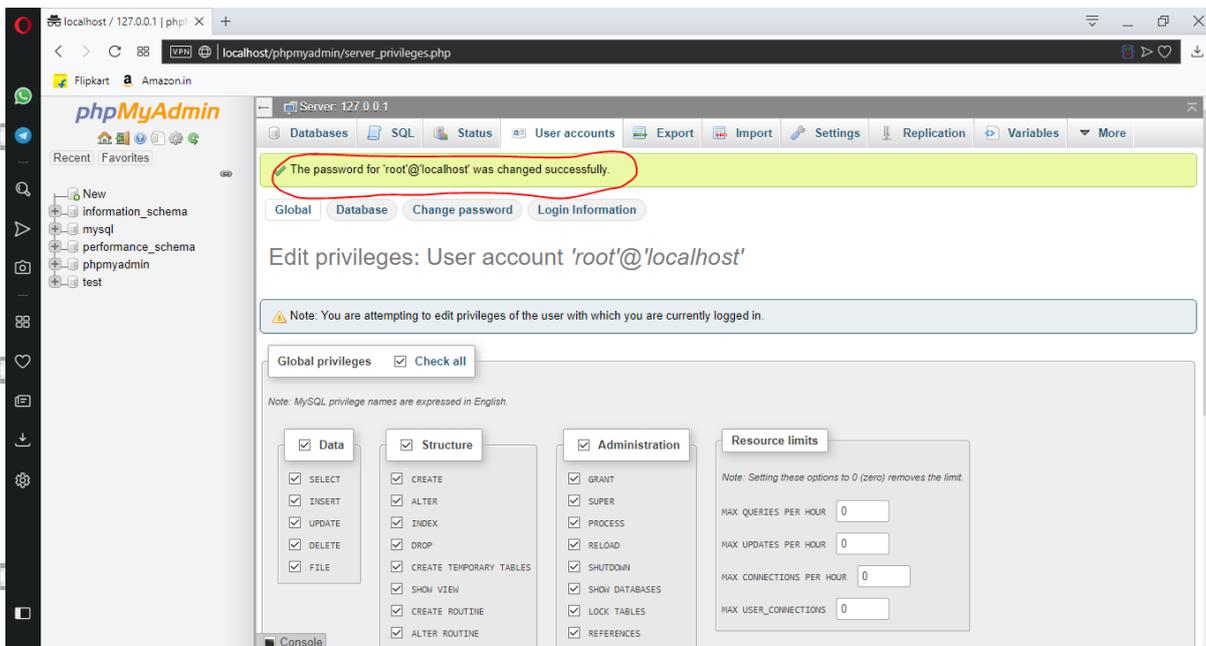
Click on "Edit privileges".



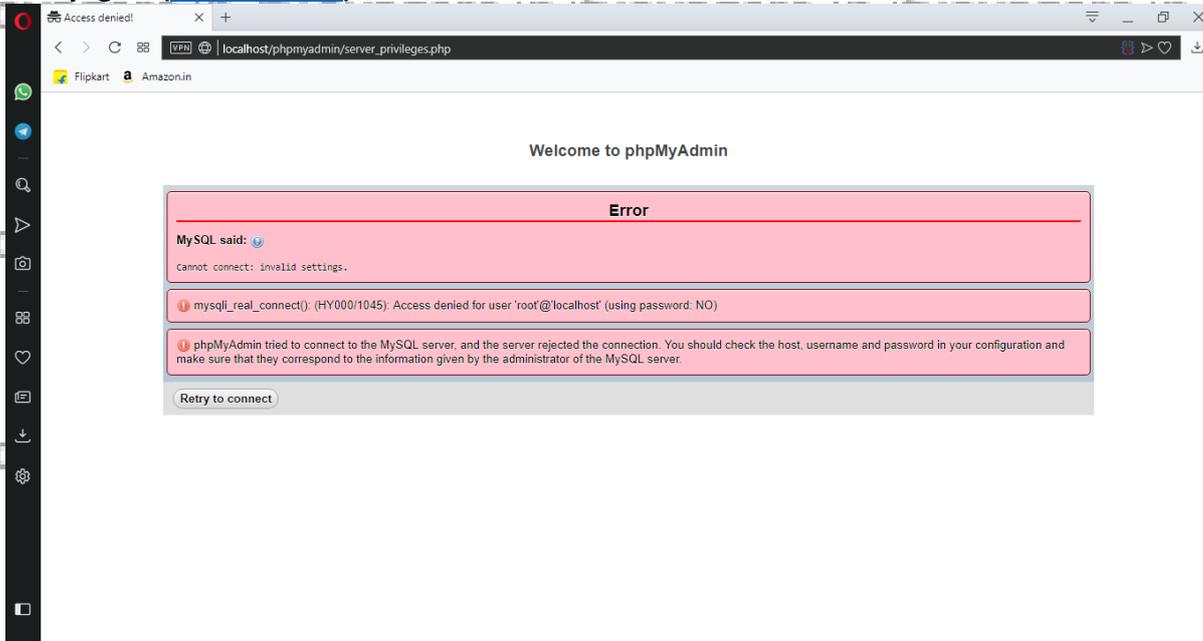
Click on "Change password".



Set simple password and click on "Go".



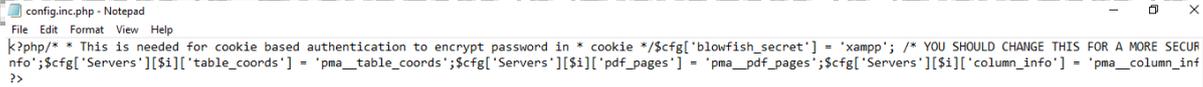
Password has been changed, but now it will not allow you to perform other operations. Even if you just refresh the page you will see following results.



This is because it doesn't make any changes in **“config.inc.php”** file.

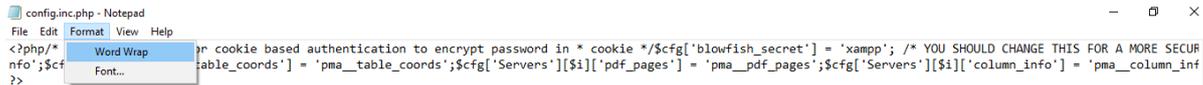
We have to do it manually for that open XAMPP Control Panel go to **“Config”** in **“Apache”** and select **“phpMyAdmin(config.inc.php)”**.





```
config.inc.php - Notepad
File Edit Format View Help
<?php/* * This is needed for cookie based authentication to encrypt password in * cookie */$cfg['blowfish_secret'] = 'xampp'; /* YOU SHOULD CHANGE THIS FOR A MORE SECUR
nfo';$cfg['Servers'][$i]['table_coords'] = 'pma_table_coords';$cfg['Servers'][$i]['pdf_pages'] = 'pma_pdf_pages';$cfg['Servers'][$i]['column_info'] = 'pma_column_inf
>>
```

Use **“Word Wrap”** for your convenience.



```
config.inc.php - Notepad
File Edit Format View Help
Word Wrap
Font...
pr cookie based authentication to encrypt password in * cookie */$cfg['blowfish_secret'] = 'xampp'; /* YOU SHOULD CHANGE THIS FOR A MORE SECUR
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>>
```

We are searching for **“\$cfg['Servers'][\$i]['password'] = ""**, just enter the same password which you just set for root user in phpMyAdmin panel.

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config.inc.php - Notepad

File Edit Format View Help

```
<?php/* * This is needed for cookie based authentication to encrypt password in * cookie */$cfg['blowfish_secret'] = 'xampp'; /* YOU SHOULD CHANGE THIS FOR A MORE
SECURE COOKIE AUTH! *//* * Servers configuration */$i = 0;/* * First server */$i++;/* Authentication type and info */$cfg['Servers'][$i]['auth_type'] = 'config';$cfg
['Servers'][$i]['user'] = 'root';$cfg['Servers'][$i]['password'] = 'root';$cfg['Servers'][$i]['extension'] = 'mysqli';$cfg['Servers'][$i]['AllowNoPassword'] = true;$cfg
['Lang'] = '';/* Bind to the localhost ipv4 address and tcp */$cfg['Servers'][$i]['host'] = '127.0.0.1';$cfg['Servers'][$i]['connect_type'] = 'tcp';/* User for
advanced features */$cfg['Servers'][$i]['controluser'] = 'pma';$cfg['Servers'][$i]['controlpass'] = '';/* Advanced phpMyAdmin features */$cfg['Servers'][$i]['pmadb'] =
'phpmyadmin';$cfg['Servers'][$i]['bookmarktable'] = 'pma_bookmark';$cfg['Servers'][$i]['relation'] = 'pma_relation';$cfg['Servers'][$i]['table_info'] =
'pma_table_info';$cfg['Servers'][$i]['table_coords'] = 'pma_table_coords';$cfg['Servers'][$i]['pdf_pages'] = 'pma_pdf_pages';$cfg['Servers'][$i]['column_info'] =
'pma_column_info';$cfg['Servers'][$i]['history'] = 'pma_history';$cfg['Servers'][$i]['designer_coords'] = 'pma_designer_coords';$cfg['Servers'][$i]['tracking'] =
'pma_tracking';$cfg['Servers'][$i]['userconfig'] = 'pma_userconfig';$cfg['Servers'][$i]['recent'] = 'pma_recent';$cfg['Servers'][$i]['table_uiprefs'] =
'pma_table_uiprefs';$cfg['Servers'][$i]['users'] = 'pma_users';$cfg['Servers'][$i]['usergroups'] = 'pma_usergroups';$cfg['Servers'][$i]['navigationhidng'] =
'pma_navigationhidng';$cfg['Servers'][$i]['savedsearches'] = 'pma_savedsearches';$cfg['Servers'][$i]['central_columns'] = 'pma_central_columns';$cfg['Servers'
'][$i]['designer_settings'] = 'pma_designer_settings';$cfg['Servers'][$i]['export_templates'] = 'pma_export_templates';$cfg['Servers'][$i]['favorite'] =
'pma_favorite';/* * End of servers configuration */?>
```

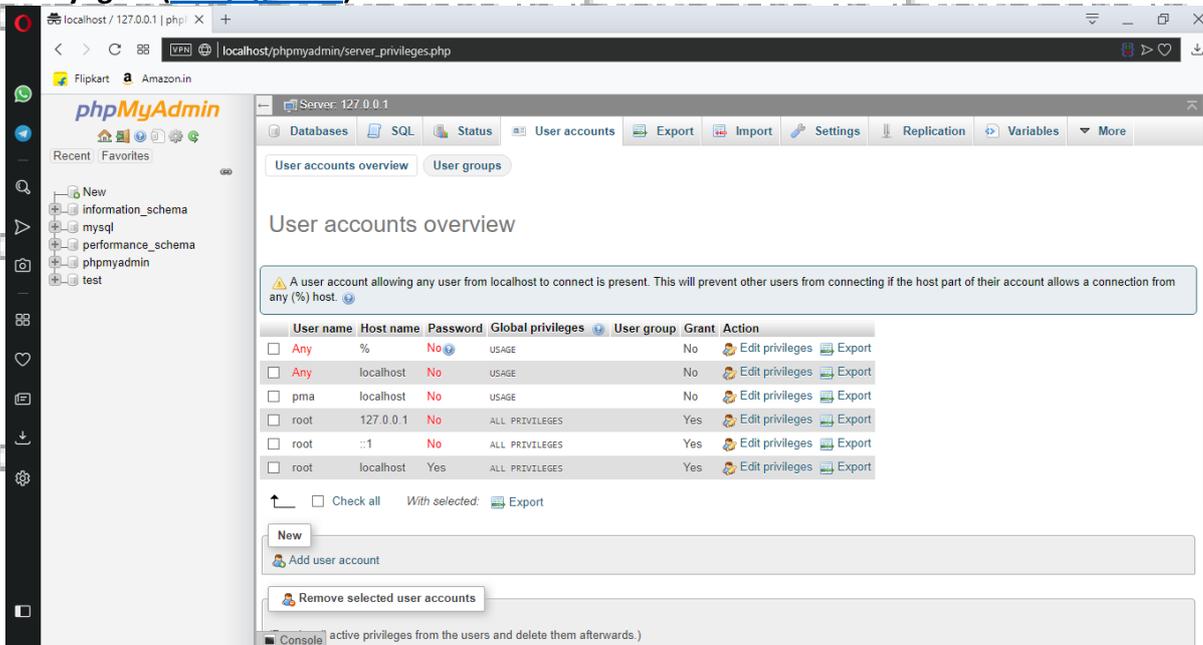
Just set the same password as you set in phpMyAdmin for root, save it and close it.

config.inc.php - Notepad

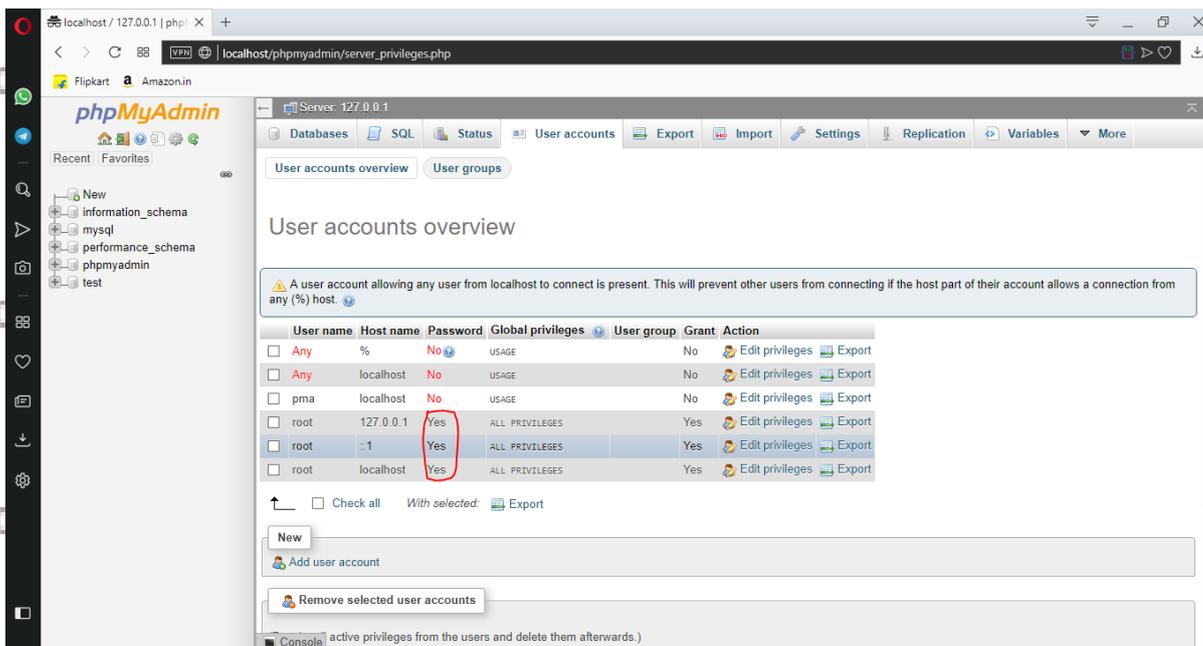
File Edit Format View Help

```
<?php/* * This is needed for cookie based authentication to encrypt password in * cookie */$cfg['blowfish_secret'] = 'xampp'; /* YOU SHOULD CHANGE THIS FOR A MORE
SECURE COOKIE AUTH! *//* * Servers configuration */$i = 0;/* * First server */$i++;/* Authentication type and info */$cfg['Servers'][$i]['auth_type'] = 'config';$cfg
['Servers'][$i]['user'] = 'root';$cfg['Servers'][$i]['password'] = '1231';$cfg['Servers'][$i]['extension'] = 'mysqli';$cfg['Servers'][$i]['AllowNoPassword'] = true;$cfg
['Lang'] = '';/* Bind to the localhost ipv4 address and tcp */$cfg['Servers'][$i]['host'] = '127.0.0.1';$cfg['Servers'][$i]['connect_type'] = 'tcp';/* User for
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'pma_table_info';$cfg['Servers'][$i]['table_coords'] = 'pma_table_coords';$cfg['Servers'][$i]['pdf_pages'] = 'pma_pdf_pages';$cfg['Servers'][$i]['column_info'] =
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'pma_tracking';$cfg['Servers'][$i]['userconfig'] = 'pma_userconfig';$cfg['Servers'][$i]['recent'] = 'pma_recent';$cfg['Servers'][$i]['table_uiprefs'] =
'pma_table_uiprefs';$cfg['Servers'][$i]['users'] = 'pma_users';$cfg['Servers'][$i]['usergroups'] = 'pma_usergroups';$cfg['Servers'][$i]['navigationhidng'] =
'pma_navigationhidng';$cfg['Servers'][$i]['savedsearches'] = 'pma_savedsearches';$cfg['Servers'][$i]['central_columns'] = 'pma_central_columns';$cfg['Servers'
'][$i]['designer_settings'] = 'pma_designer_settings';$cfg['Servers'][$i]['export_templates'] = 'pma_export_templates';$cfg['Servers'][$i]['favorite'] =
'pma_favorite';/* * End of servers configuration */?>
```

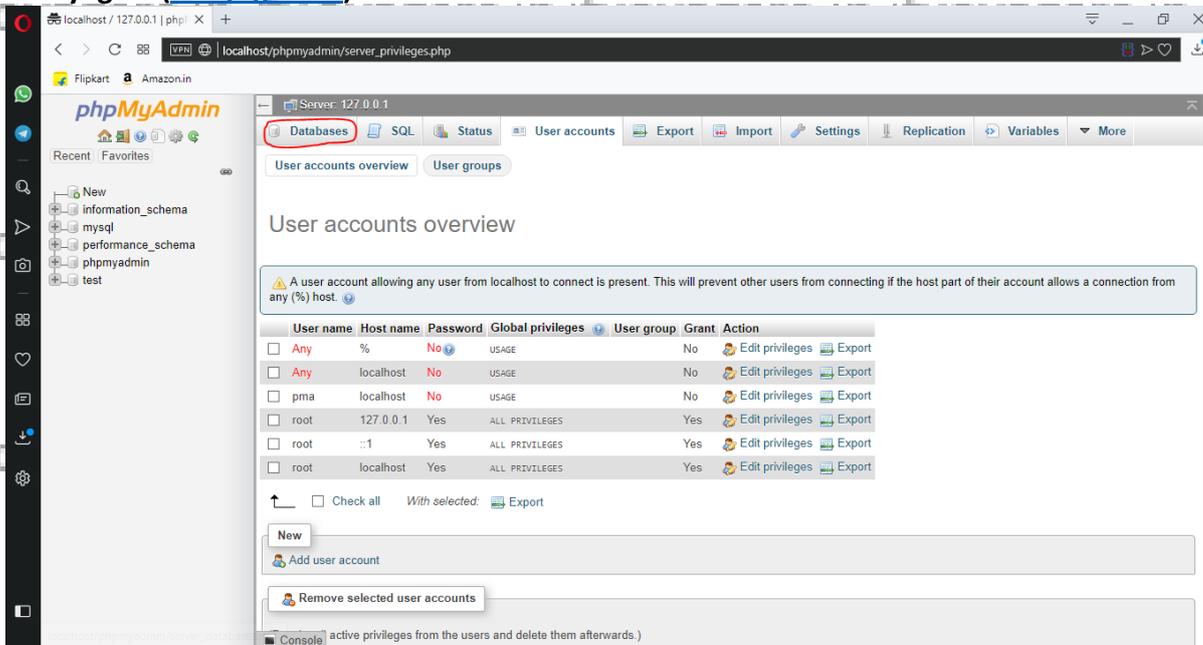
Now go to browser and refresh it.



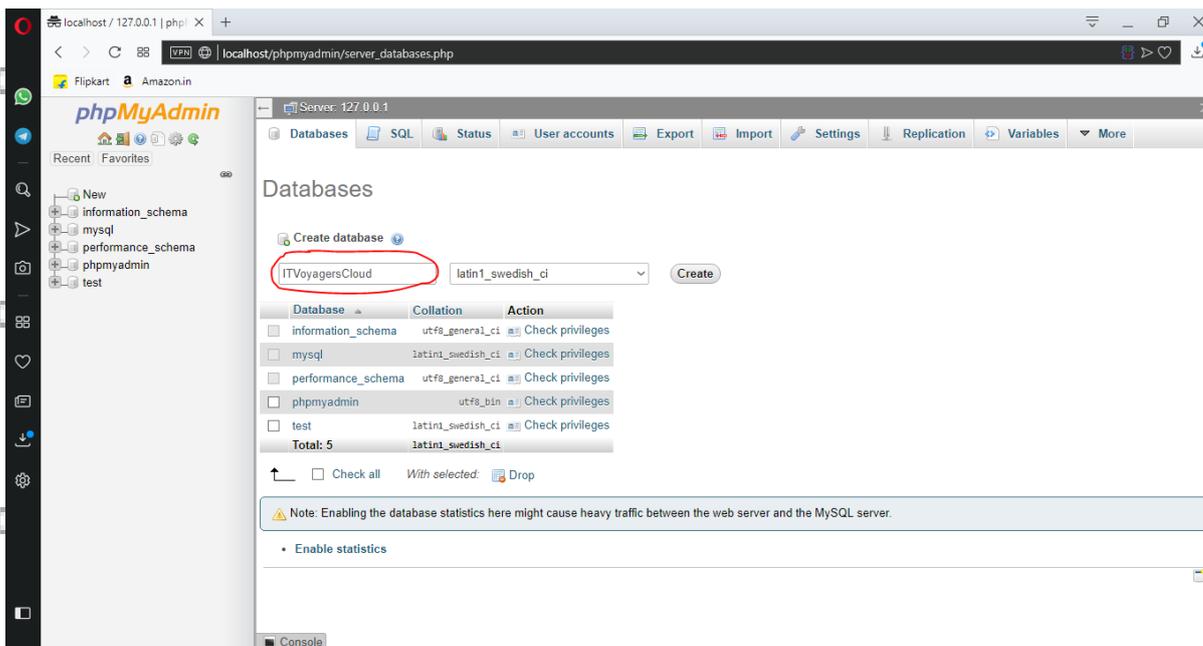
Now please apply password for remaining to root account i.e. for host "127.0.0.1" and ":::1". Once you finish it you will see below screen.



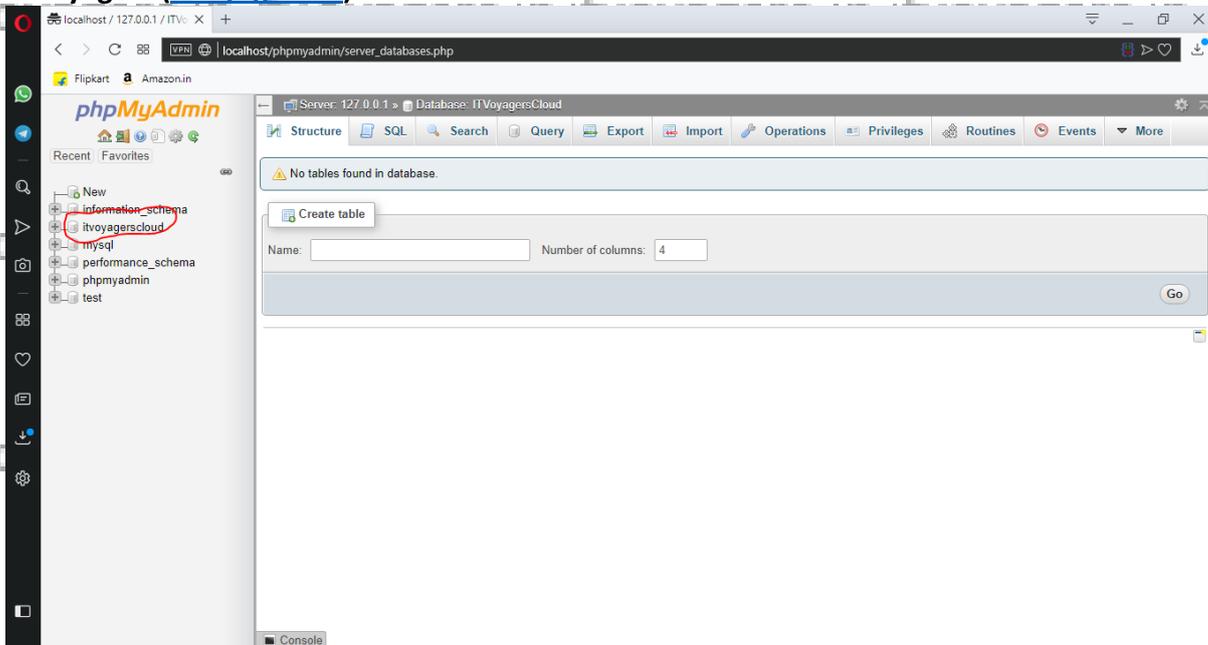
Now we are going to create database for our cloud. Click on "Databases".



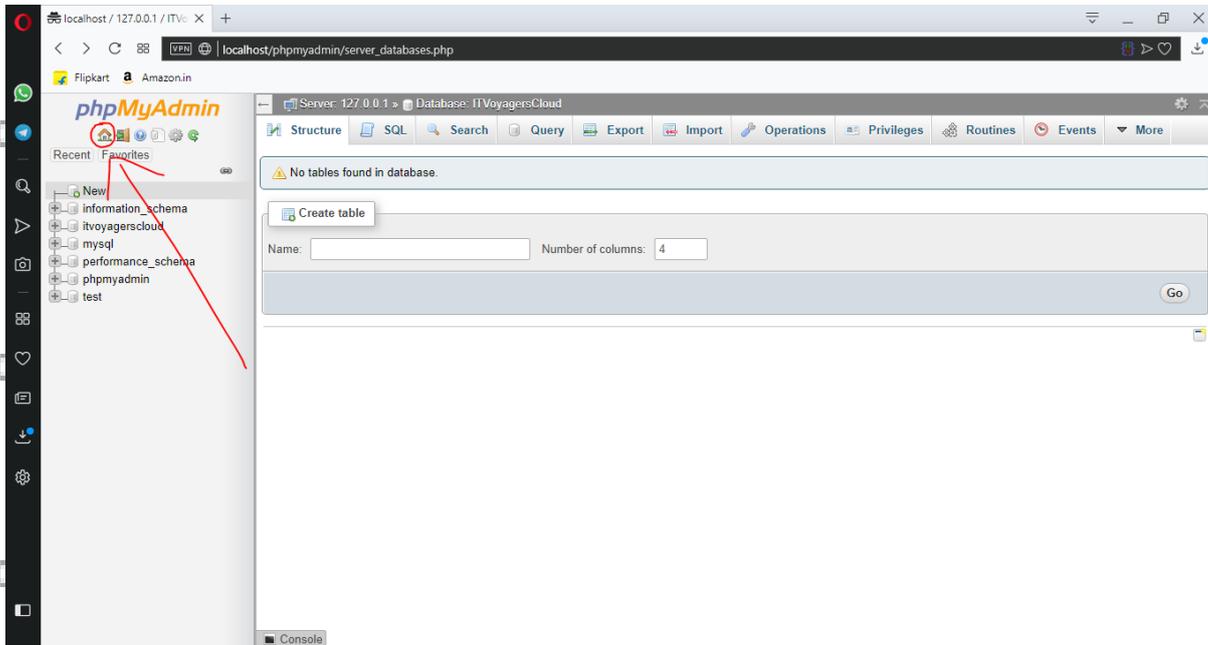
Enter name for database and click **“Create”** (even if you entered name in upper case MySQL will convert it into lower case).



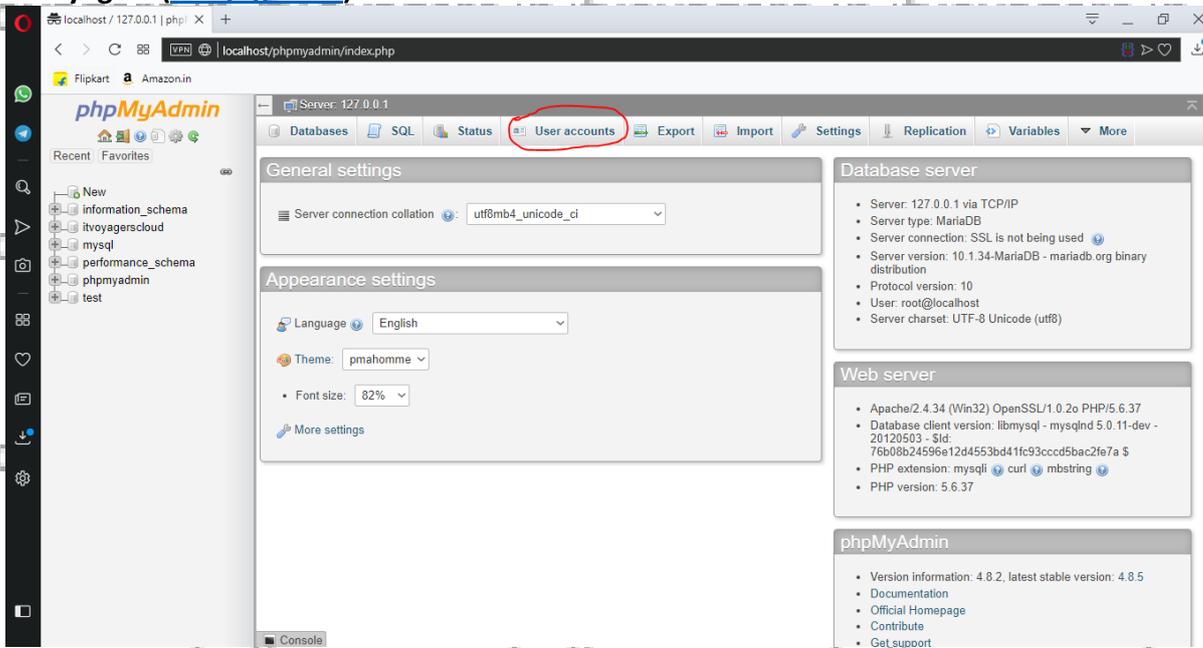
Yes our database is created.



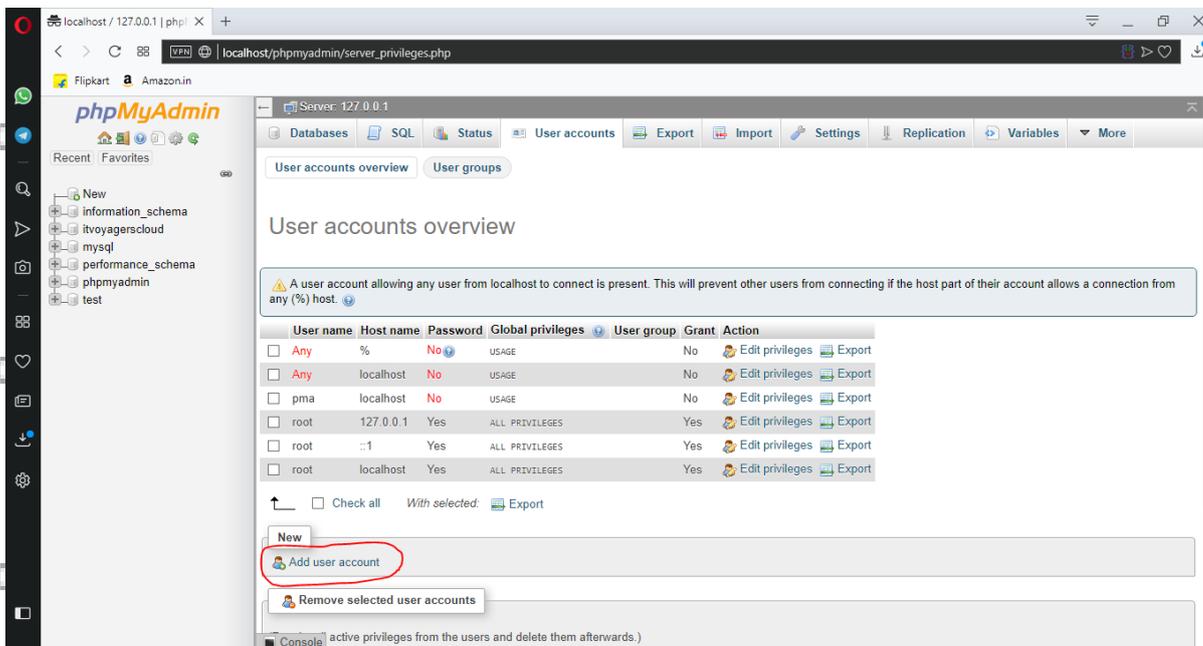
First click on **“Home”**.



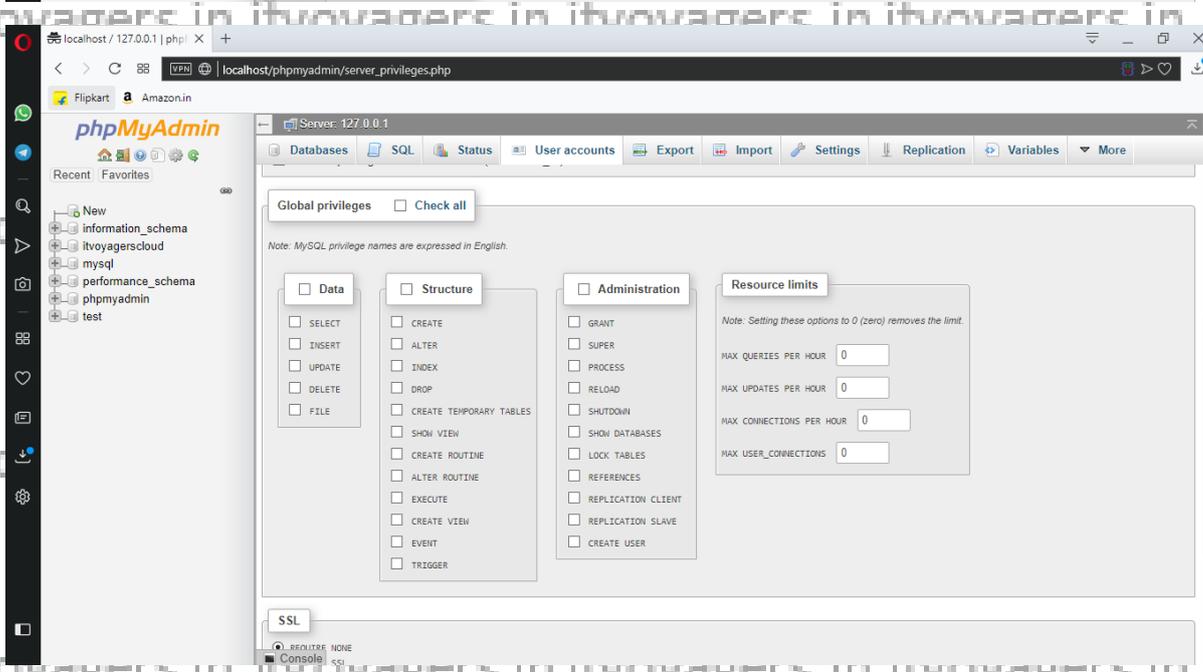
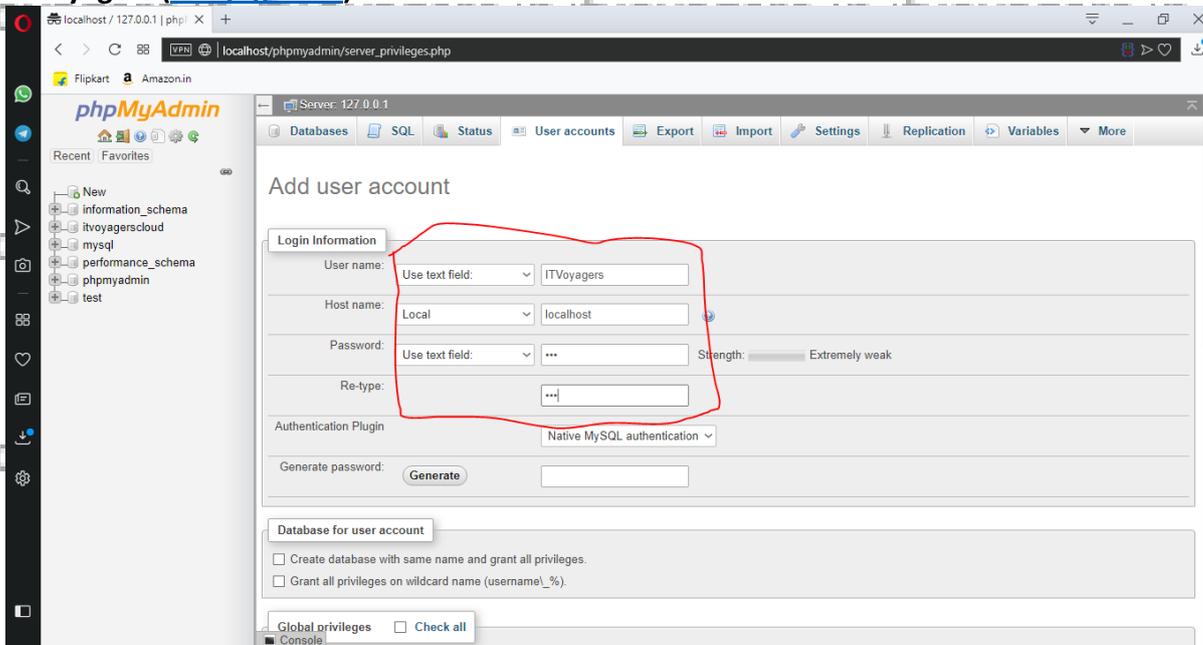
Once our database is created, we have to add user, for that click on **“User accounts”**.



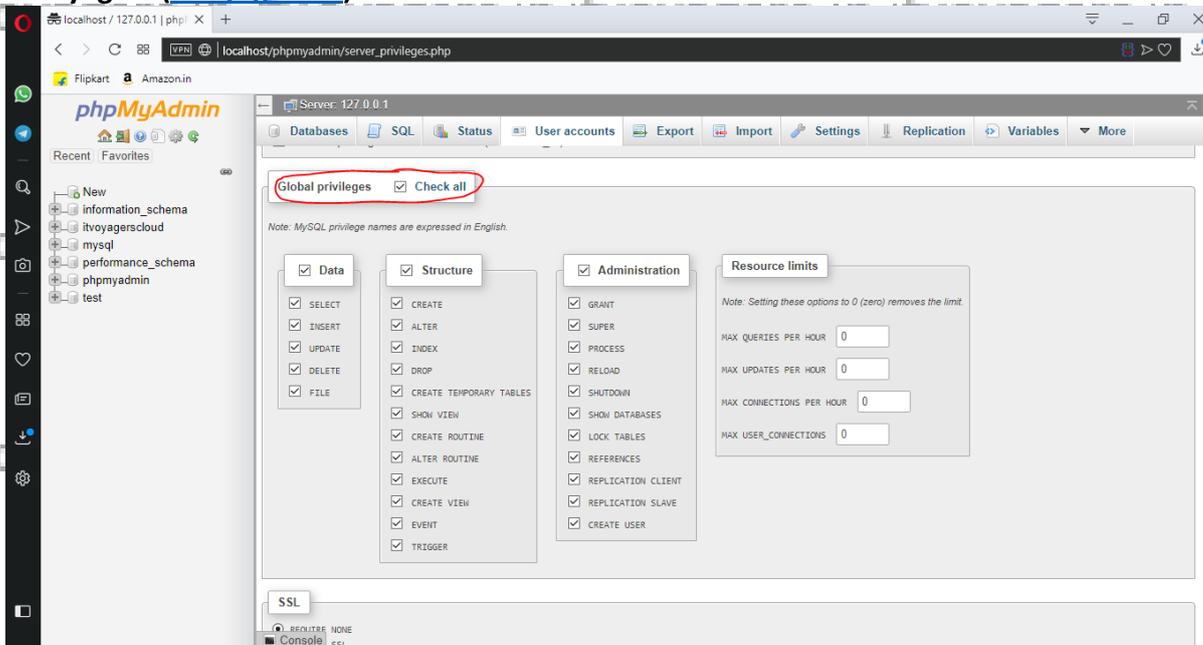
Click on **"Add user account"**.



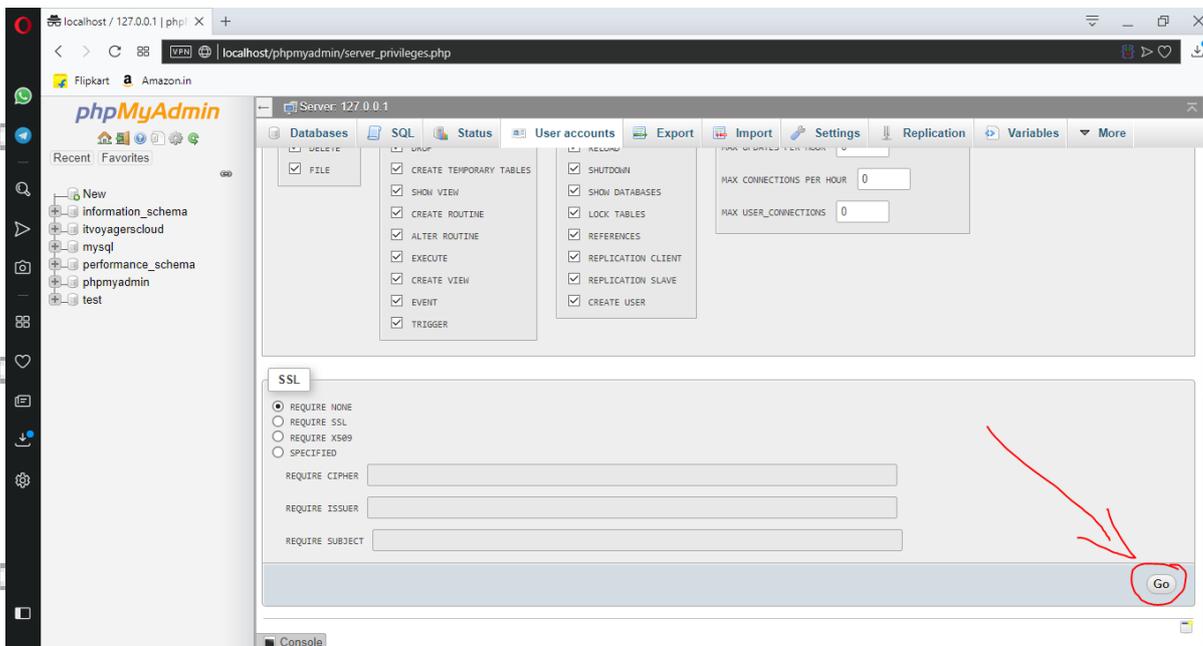
Set the **"User name"**, **"Host name"** and **"Password"** for the user, and now scroll down a little you will see **"Global privileges"** section.



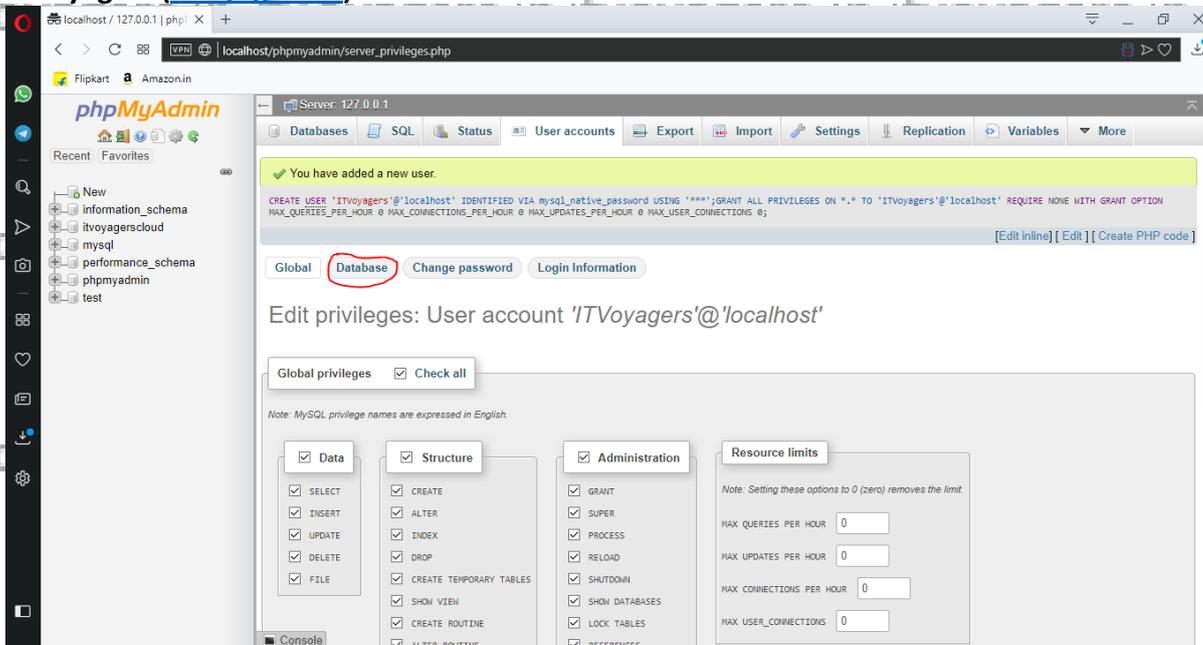
Just check "Check all" checkbox.



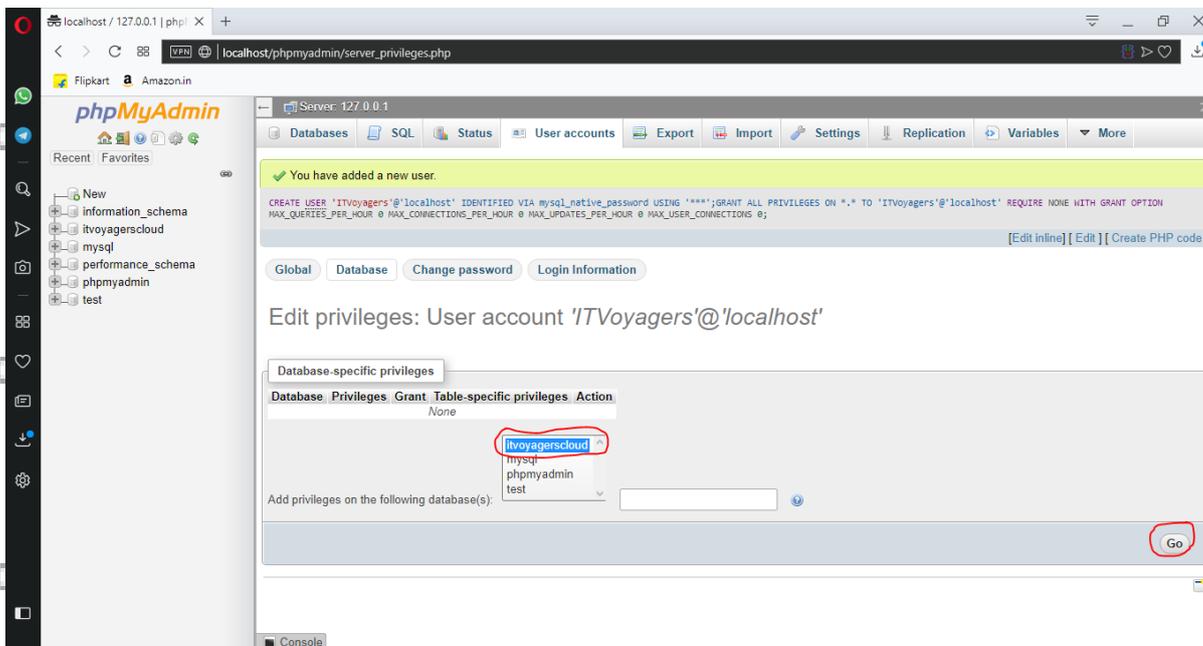
Scroll down little more and click on “Go”.



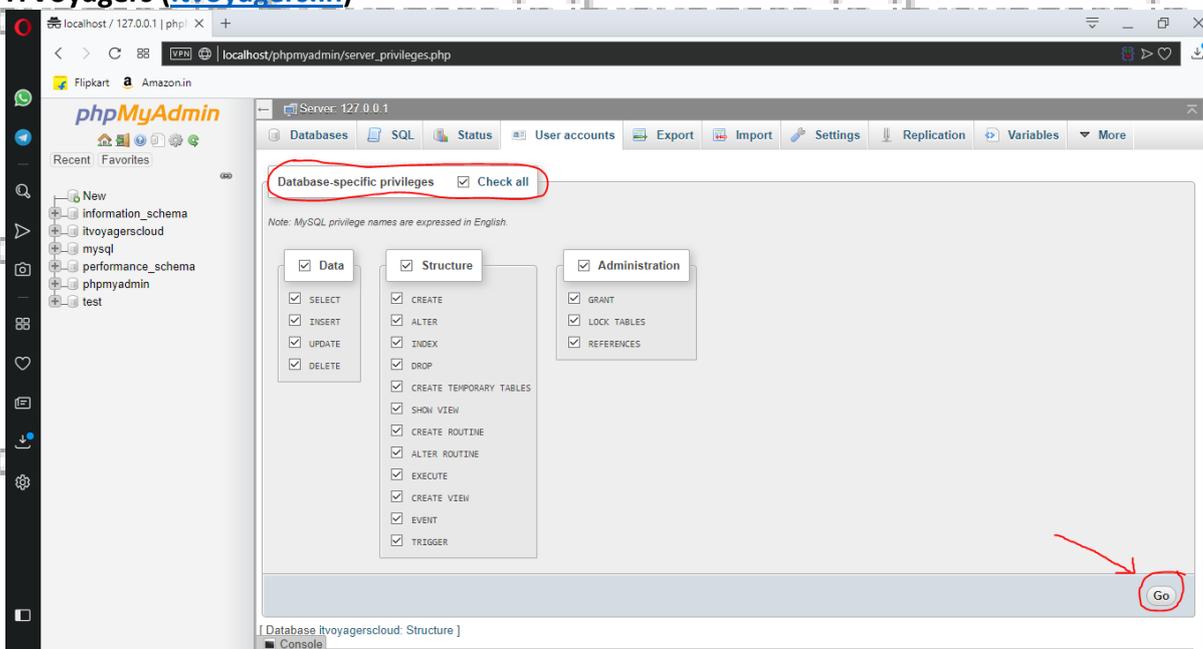
Now on next window we can see “Database” button, we have to assign database to the user, for that click on “Database”.



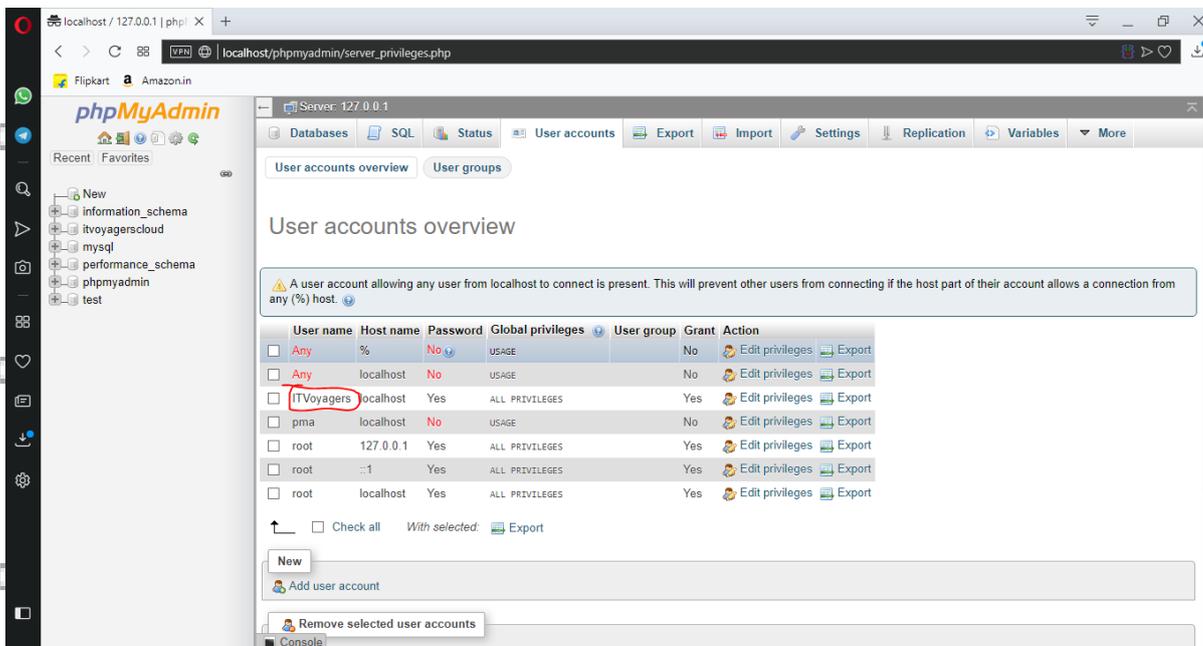
Select the database you just created and click on “Go”



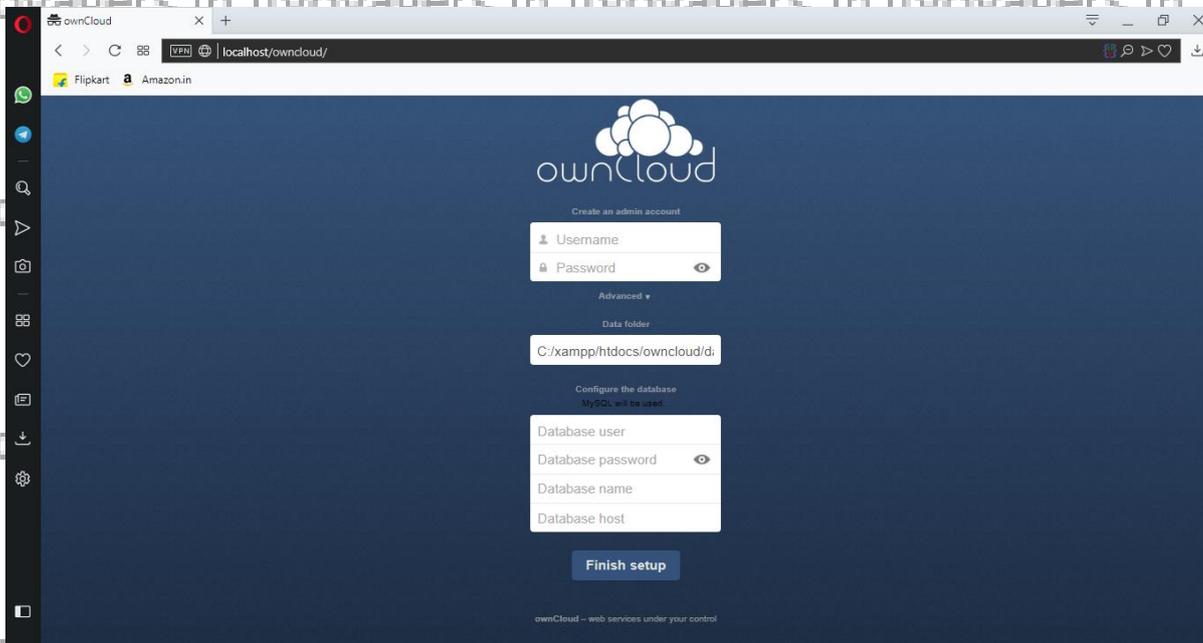
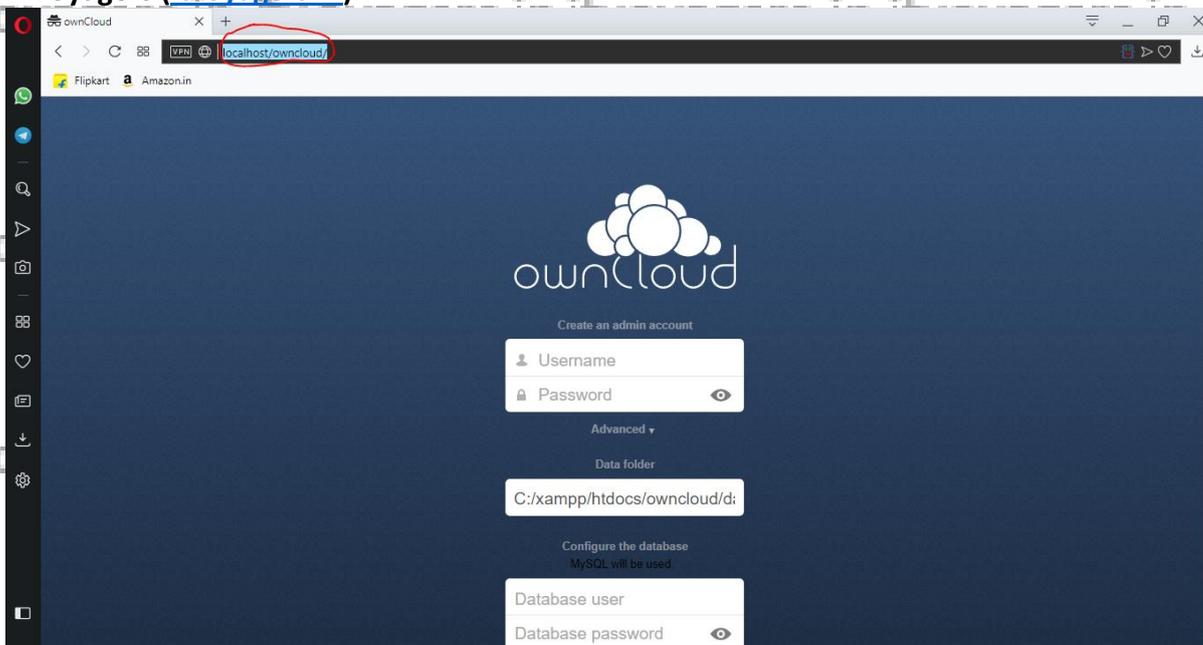
It will ask for “Database-specific privileges” just check “Check all” checkbox and click on “Go”.



You can see that our user is been added.



Now go to browser and enter "<http://localhost/owncloud/>" in URL bar.

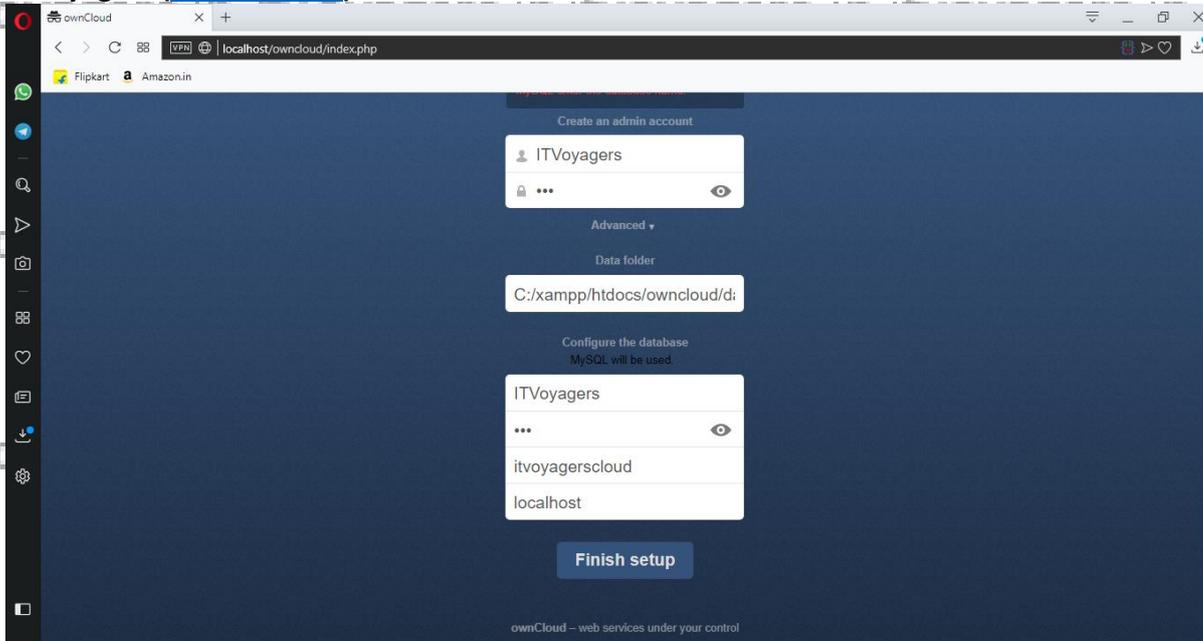


Above screen will be displayed.

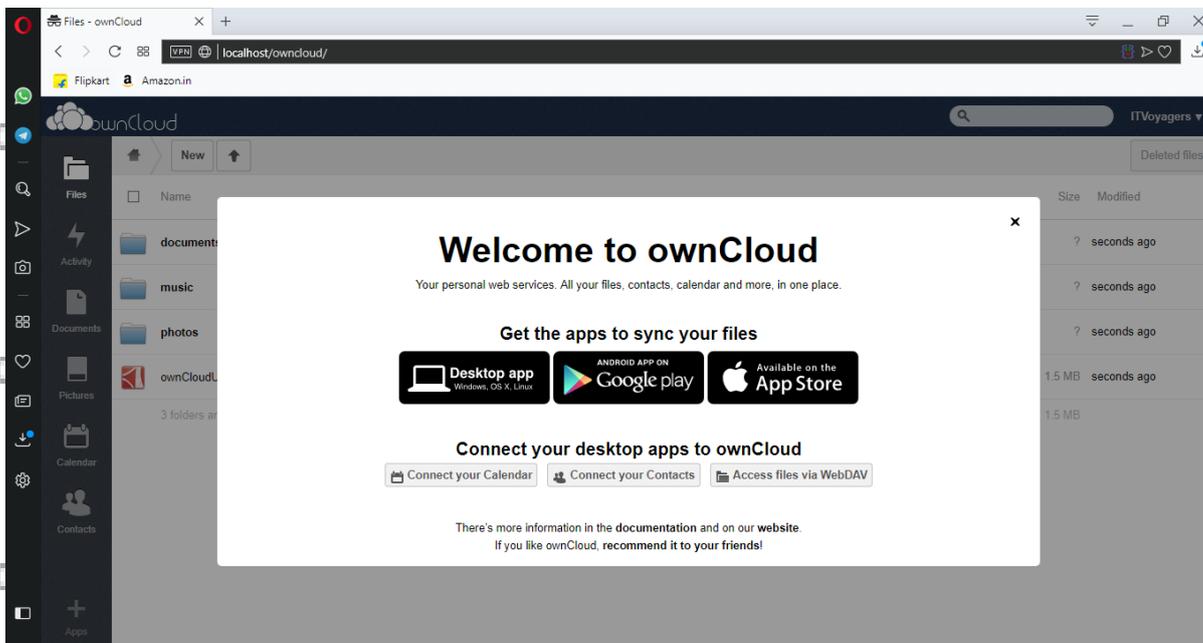
Now we have to enter User name and Password for admin.

And other credentials for the user which we just created, and click on “**Finish setup**”.

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Following screen will appear.



Yes we have done it, we have installed OwnCloud on XAMPP Server.

Go to "localhost/phpmyadmin" you can see that our database is been filled with tables.

The screenshot shows the phpMyAdmin interface for a MySQL database named 'itvoyagerscloud'. The left sidebar displays a tree view of the database structure, with 'itvoyagerscloud' selected and circled in red. The main area shows a list of tables with columns for 'Table', 'Action', 'Rows', 'Type', 'Collation', 'Size', and 'Overhead'. The tables listed include 'oc_activity', 'oc_appconfig', 'oc_cldr_calendars', 'oc_cldr_objects', 'oc_cldr_repeat', 'oc_cldr_share_calendar', 'oc_cldr_share_event', 'oc_contacts_addressbooks', 'oc_contacts_cards', 'oc_contacts_cards_properties', 'oc_documents_invite', 'oc_documents_member', 'oc_documents_op', 'oc_documents_revisions', 'oc_documents_session', 'oc_filecache', and 'oc_files_trash'.

Table	Action	Rows	Type	Collation	Size	Overhead
oc_activity	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8_unicode_ci	16 K1B	-
oc_appconfig	★ Browse Structure Search Insert Empty Drop	66	InnoDB	utf8_unicode_ci	32 K1B	-
oc_cldr_calendars	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8_unicode_ci	16 K1B	-
oc_cldr_objects	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8_unicode_ci	16 K1B	-
oc_cldr_repeat	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8_unicode_ci	16 K1B	-
oc_cldr_share_calendar	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8_unicode_ci	16 K1B	-
oc_cldr_share_event	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8_unicode_ci	16 K1B	-
oc_contacts_addressbooks	★ Browse Structure Search Insert Empty Drop	1	InnoDB	utf8_unicode_ci	16 K1B	-
oc_contacts_cards	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8_unicode_ci	16 K1B	-
oc_contacts_cards_properties	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8_unicode_ci	48 K1B	-
oc_documents_invite	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8_unicode_ci	16 K1B	-
oc_documents_member	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8_unicode_ci	16 K1B	-
oc_documents_op	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8_unicode_ci	32 K1B	-
oc_documents_revisions	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8_unicode_ci	16 K1B	-
oc_documents_session	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8_unicode_ci	16 K1B	-
oc_filecache	★ Browse Structure Search Insert Empty Drop	11	InnoDB	utf8_unicode_ci	88 K1B	-
oc_files_trash	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8_unicode_ci	64 K1B	-