-------- >>To connect to VM

USERNAME: ssh student@myvmlab.senecacollege.ca -p 6305

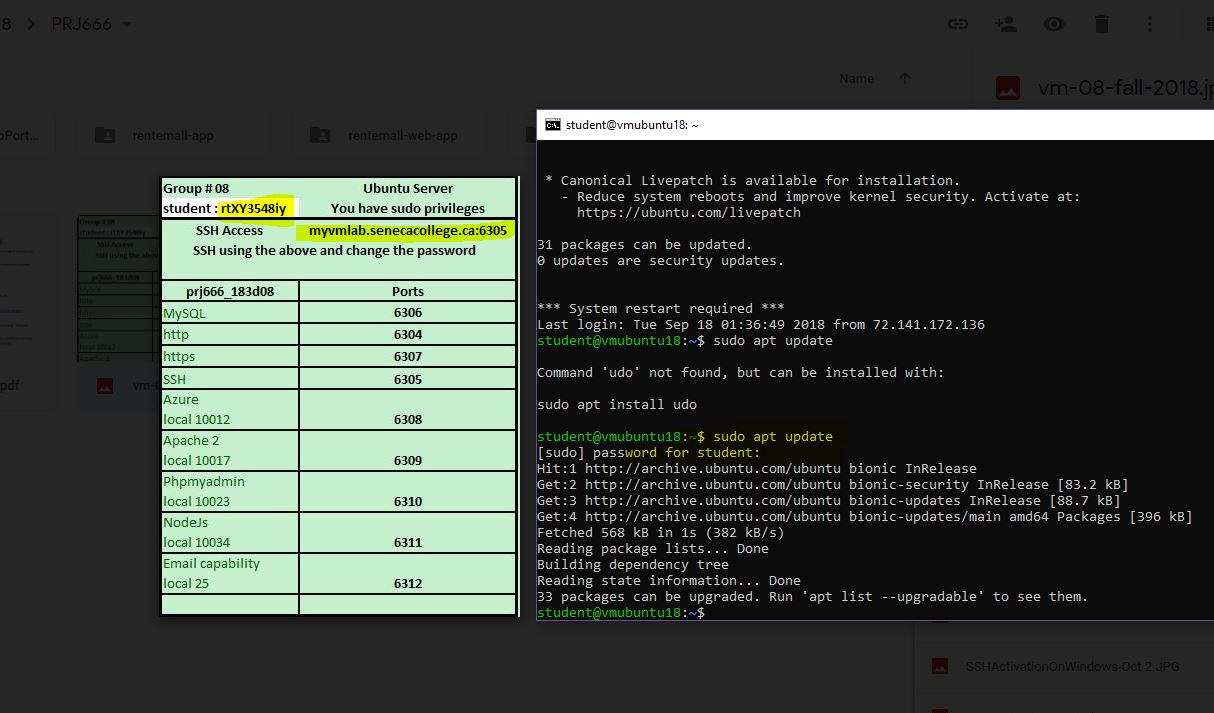
PASSWORD: rtXY3548iy

------- >> To reboot and update

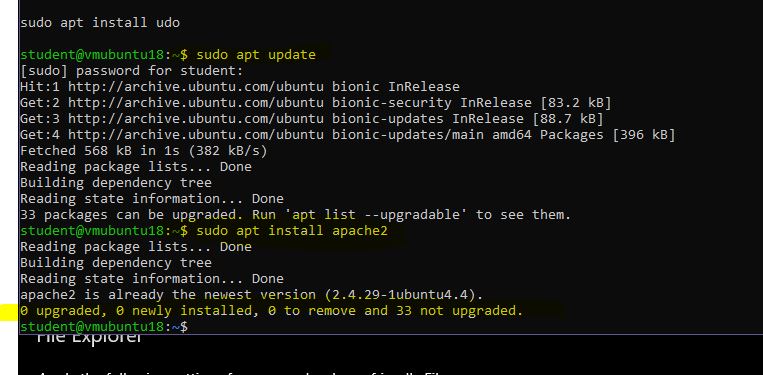
sudo reboot

------------- >>> To install and update Apache

sudo apt update

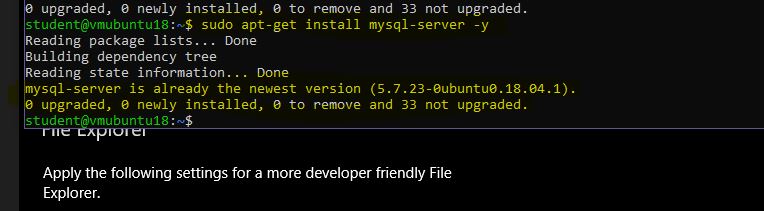


sudo apt install apache2

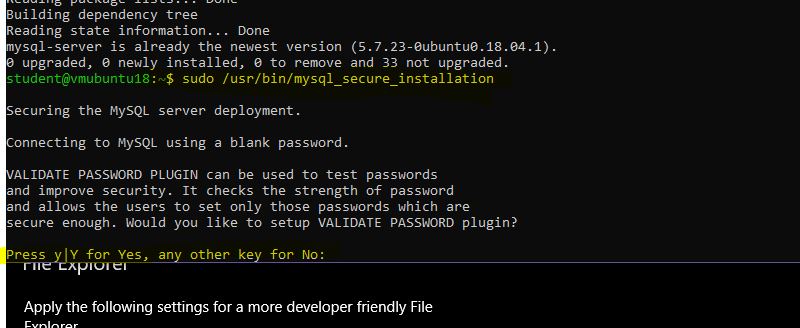


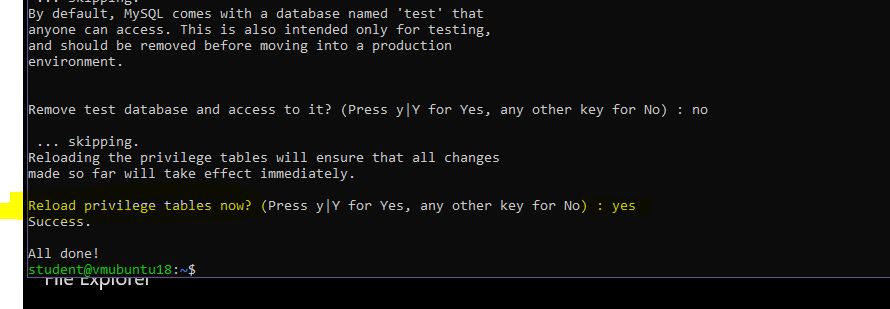
----------- >>> Install MYSQL

sudo apt-get install mysql-server -y



sudo /usr/bin/mysql\_secure\_installation

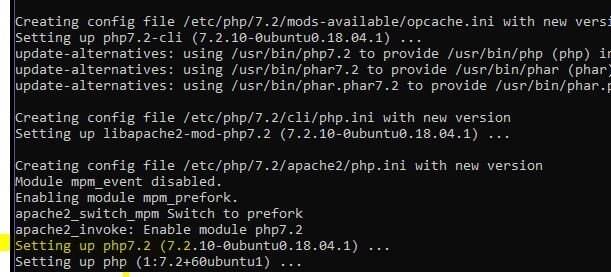




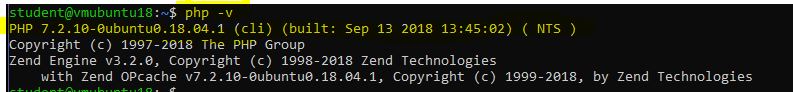
<<<<<< unstall plugin validate-password >>>>>> ==== used this as password

-------------------- >>> Install PHP

sudo apt-get install php -y



php -v

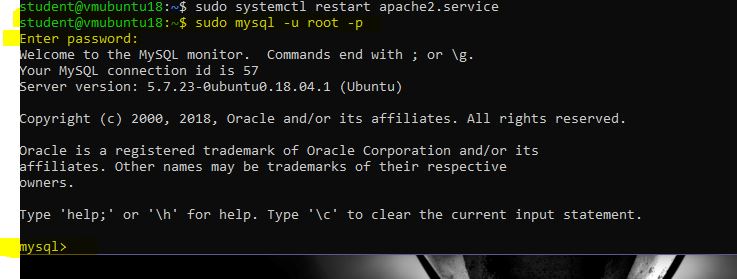


sudo systemctl restart apache2.service

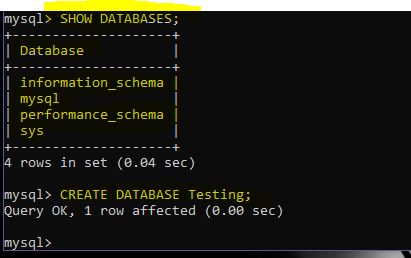


---------- >>> Access MySQL database

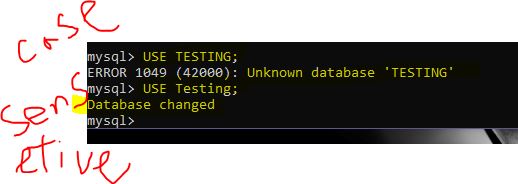
sudo mysql -u root -p <<<< Group8 >>>> = Password



SHOW DATABASES;



CREATE DATABASE Testing;



USE Testing;

CREATE TABLE MyGuests(

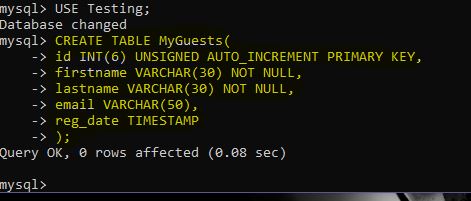
id INT(6) UNSIGNED AUTO\_INCREMENT PRIMARY KEY,

firstname VARCHAR(30) NOT NULL,

lastname VARCHAR(30) NOT NULL,

email VARCHAR(50),

reg\_date TIMESTAMP );



------------ >> Create user to access Testing database

CREATE USER 'Sali'@'localhost' IDENTIFIED BY 'Sali@Group8';

GRANT ALL PRIVILEGES ON Testing TO 'Sali'@'localhost';

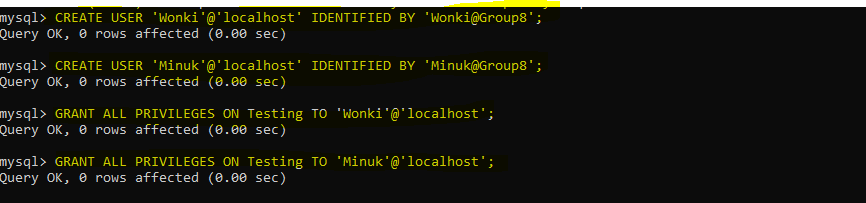
CREATE USER 'Wonki'@'localhost' IDENTIFIED BY 'Wonki@Group8';

CREATE USER 'Minuk'@'localhost' IDENTIFIED BY 'Minuk@Group8';



GRANT ALL PRIVILEGES ON Testing TO 'Wonki'@'localhost';

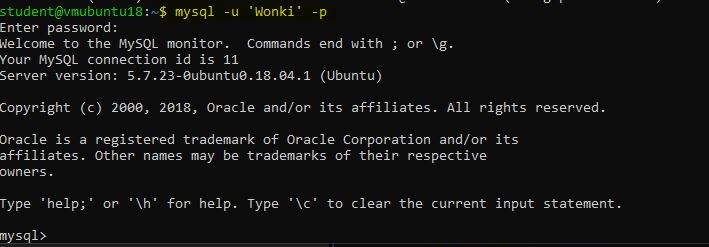
GRANT ALL PRIVILEGES ON Testing TO 'Minuk'@'localhost';



\q

Username to login <<<<<<<<<<<< sudo mysql -u 'Wonki' -p >>>>>>>>>>>>>>>>

PASSWORD: <<<<<<< Wonki@Group8 >>>>>>>>>>

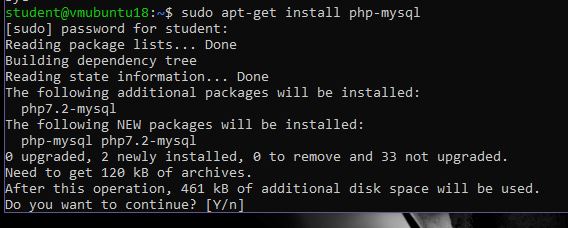


------------- >>>> To query database and tables from command line

\q

--------- >>>>> To install php=mysql

sudo apt-get install php-mysql



vim insert.php

<?php

$servername = "localhost";

$username = "Wonki";

$password = "Wonki@Group8";

$dbname = "Testing";

// Create connection

$conn = new mysqli($servername, $username, $password, $dbname);

// Check connection

if($conn->connect\_error){

die("Connection failed: ".$conn->connect\_error);

}

$sql = "INSERT INTO MyGuest(firstname, lastname, email)

VALUES('John', 'Doe', 'john@example.com')";

$sql = "INSERT INTO MyGuest(firstname, lastname, email)

VALUES('Dave', 'Doe', 'dave@example.com')";

if($conn->query($sql) === TRUE){

echo "New record is created successfully";

} else{

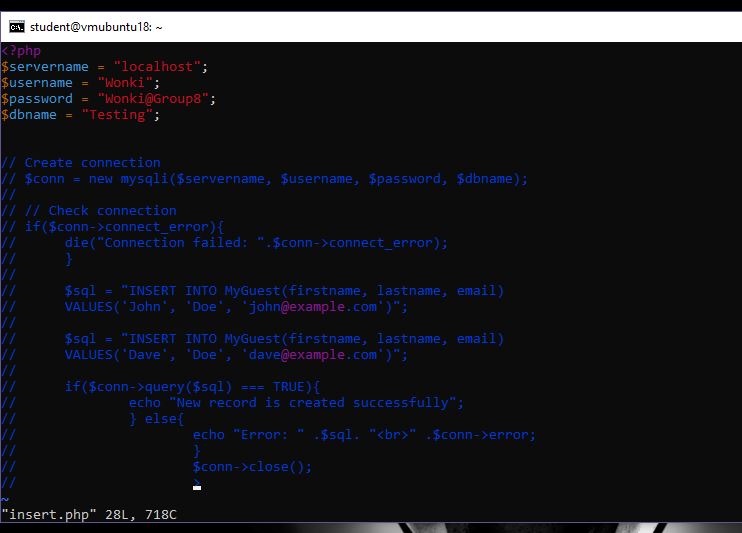
echo "Error: " .$sql. "<br>" .$conn->error;

}

$conn->close();

?>

:wq



php insert.php

--------------

vim select.php

<?php

$servername = "localhost";

$username = "Wonki";

$password = "Wonki@Group8";

$dbname = "Testing";

// Create connection

$conn = new mysqli($servername, $username, $password, $dbname);

// Check connection

if($conn->connect\_error){

die("Connection failed: ".$conn->connect\_error);

}

$sql = "SELECT id, firstname, lastname FROM MyGuests";

$result = $conn->query($sql);

if($result->num\_rows > 0){

//output data of each row

while($row = $result->fetch\_assoc()){

echo "\r\n id: " . $row["id"]. " -Name: " . $row["firstname"]." " . $row["lastname"]."\r\n";

}

}else{

echo "0 result";

}

$conn->close();

?>

:wq

php select.php

--------------------

vim delete.php

<?php

$servername = "localhost";

$username = "Wonki";

$password = "Wonki@Group8";

$dbname = "Testing";

// Create connection

$conn = new mysqli($servername, $username, $password, $dbname);

// Check connection

if($conn->connect\_error){

die("Connection failed: ".$conn->connect\_error);

}

// SQL to delete a record

$sql = "DELETE FROM MyGuests WhERE id=2";

if($conn->query($sql) === TRUE){

echo "Record deleted successfully";

} else{

echo "Error deleting record: " .$conn->error;

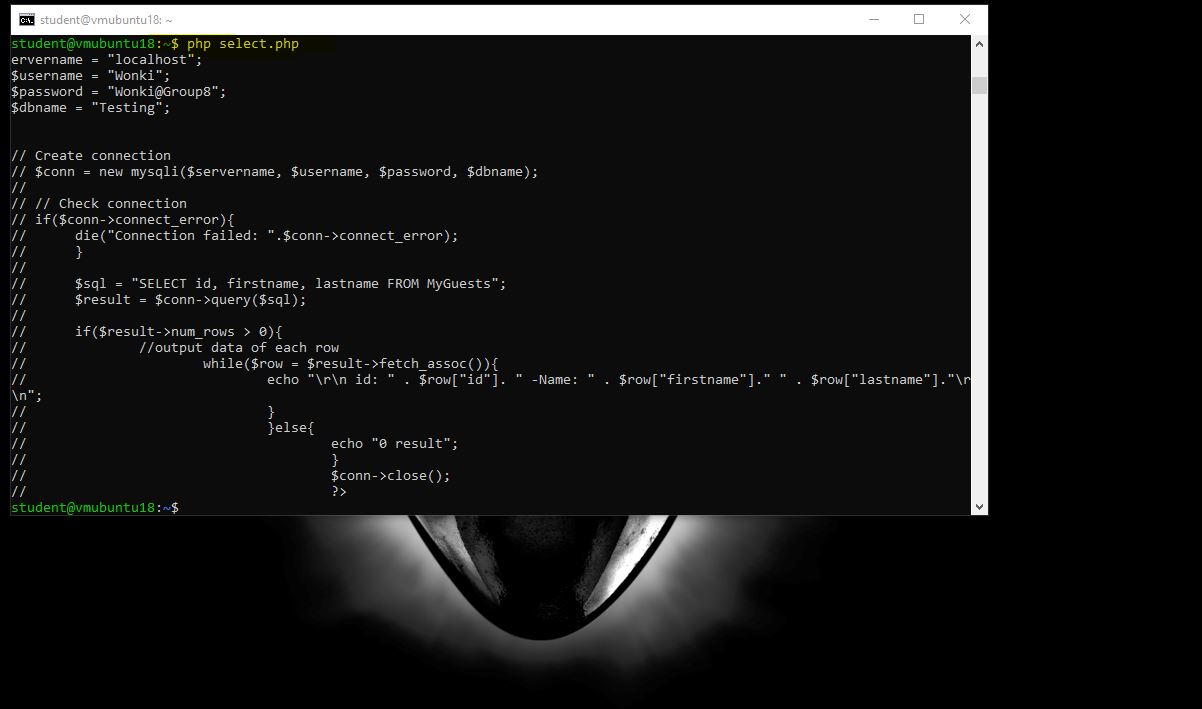
}

$conn->close();

?>

:wq

php select.php



=======> INSTALLING phpmyadmin

cd /etc/apt/

sudo vim source.list



deb http://archive.ubuntu.com/ubuntu/ bionic main restricted

deb http://archive.ubuntu.com/ubuntu/ bionic-updates main restricted

deb http://archive.ubuntu.com/ubuntu/ bionic universe

deb http://archive.ubuntu.com/ubuntu/ bionic-updates universe

deb http://archive.ubuntu.com/ubuntu/ bionic multiverse

deb http://archive.ubuntu.com/ubuntu/ bionic-updates multiverse

deb http://archive.ubuntu.com/ubuntu/ bionic-backports main restricted universe multiverse

deb http://security.ubuntu.com/ubuntu bionic-security main restricted

deb http://security.ubuntu.com/ubuntu bionic-security universe

deb http://security.ubuntu.com/ubuntu bionic-security multiverse

--- Did not work for me

sudo apt-get update

sudo apt-get install phpmyadmin php-mbstring php-gettext

-----This worked very well

sudo add-apt-repository universe

sudo apt install phpmyadmin

>>>>> E: dpkg was interrupted, you must manually run 'sudo dpkg --configure -a' to correct the problem.

---To remove a repo

sudo rm /var/lib/apt/lists/lock

sudo rm /var/cache/apt/archives/lock

sudo rm /var/lib/dpkg/lock

--------------To resolve dpkg error of being in used by another resource

sudo rm /var/cache/debconf/\*.dat

sudo mv /var/lib/dpkg/info/polar-bookshelf.\* /tmp

Then it goes throw installation of myphpamin with purple screen again

sudo apt-get update

-------------Remove packages

sudo rm /var/lib/apt/lists/\* -vf

sudo apt-get clean

sudo apt-get update

-------------Get /var/lib/lib/dpkg out of temp folder

cd ../.. go to the root

sudo mv dpkg /var/lib/

sudo mv /var/lib/dpkg/ /tmp

-------------Download dpkg permission error resolution

sudo chown -Rv \_apt:root /var/cache/apt/archives/partial/

sudo chmod -Rv 700 /var/cache/apt/archives/partial/

----------------

student@vmubuntu18:/$ sudo add-apt-repository --remove ppa:nijel/phpmyadmin

Latest phpMyAdmin packages - https://www.phpmyadmin.net/. Based on packages available in Debian.

There are some notable changes:

\* it currently requires updated PHP packages, you can get packages from https://launchpad.net/~ondrej/+archive/ubuntu/php/

\* it does include embedded copies of PHP libraries

If you like phpMyAdmin, you can support it's further development at https://www.phpmyadmin.net/donate/ or https://www.phpmyadmin.net/sponsors/, thanks!

Note: This repository is currently a bit behind as I struggle to find time to update it to 4.7 series, see https://bugs.debian.org/879741. There are no severe security vulnerabilities in the 4.6.6 currently packaged here (https://www.phpmyadmin.net/security/PMASA-2017-9/ applies only to 4.7 series). The only major problem is that 4.6.6 doesn't work properly with PHP 7.2.

More info: https://launchpad.net/~nijel/+archive/ubuntu/phpmyadmin

Press [ENTER] to continue or Ctrl-c to cancel removing it.

-------------------------

This worked for me:

sudo add-apt-repository universe

sudo apt install phpmyadmin

sudo add-apt-repository --remove ppa:nijel/phpmyadmin

sudo apt update

sudo apt install phpmyadmin php-mbstring php-gettext

sudo chmod -Rv 700 /var/lib/dpkg/diversions

sudo chmod -Rv 700 diversions

>>>>>>student@vmubuntu18:/var/lib/dpkg$ sudo chmod -Rv 0700 diversions

mode of 'diversions' changed from 0755 (rwxr-xr-x) to 0700 (rwx------)

sudo chmod -R o+rw diversions

sudo mv /var/lib/dpkg ~/

---------------------

Install the latest package and security updates, using the following commands:

sudo apt-get update && sudo apt-get -y upgrade && sudo apt-get -y autoremove

------------Update dpkg

sudo apt-get install dpkg

similar as

sudo apt-get -f install

-----------

read error in '/var/lib/dpkg/diversions': Is a directory

E: Sub-process /usr/bin/dpkg returned an error code (2)

sudo chmod -Rv 700 diversions

sudo chown -Rv \_apt:root /var/cache/apt/archives/partial/

apt-get install --reinstall diversions

------------

sudo dpkg-reconfigure --force

-------------------

sudo apt-get update

sudo apt-get clean

sudo apt-get autoremove

sudo apt-get update && sudo apt-get upgrade

sudo dpkg --configure -a

sudo apt-get install -f

---------------

REMOVE APACHE ALL AT ONCE

Stop first

>>>>>

sudo service apache2 stop

sudo apt-get purge apache2 apache2-utils apache2.2-bin apache2-common

sudo apt-get autoremove --purge

>>>>>> whereis apache2

>>>> sudo rm -Rf /etc/apache2 /usr/lib/apache2 /usr/include/apache2

apt-get remove apache2 --purge