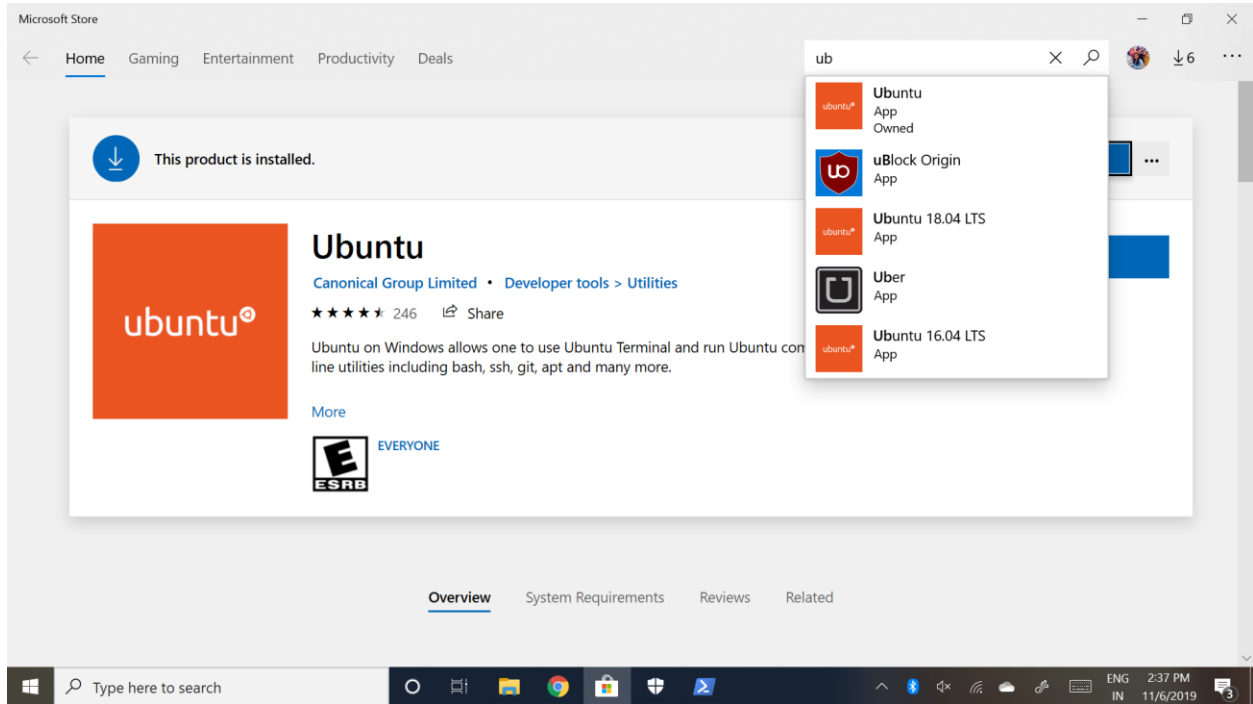
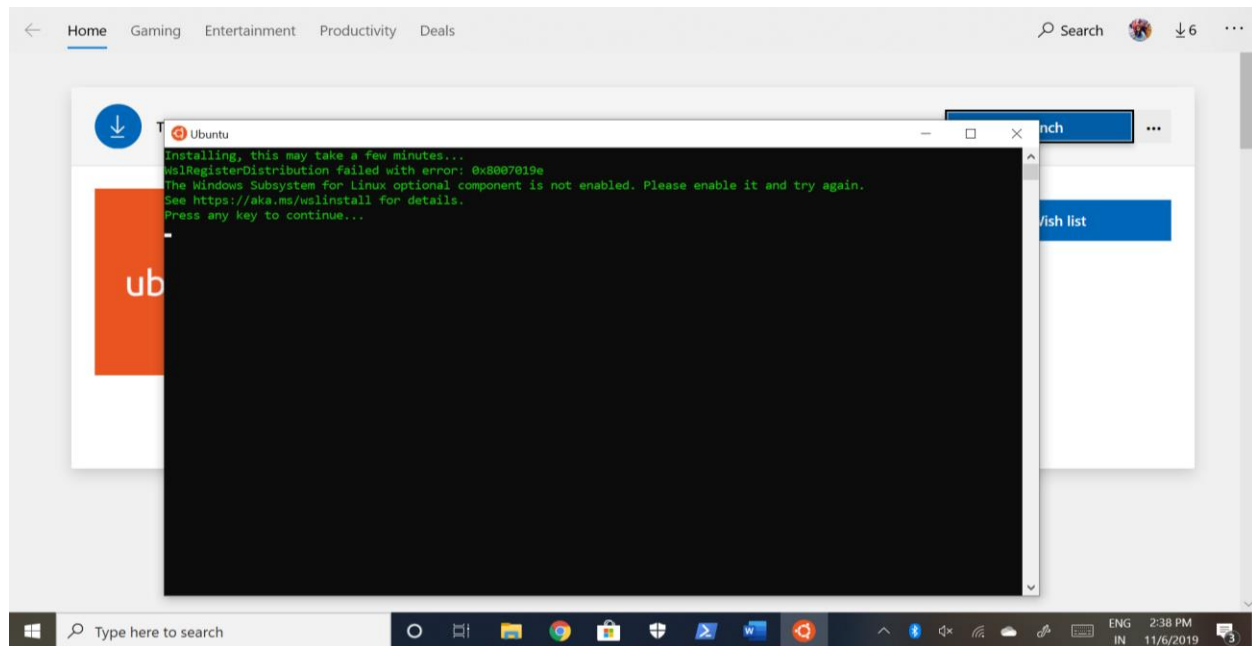


# Install Ubuntu in Windows

## Step 1: Download Ubuntu from Microsoft store



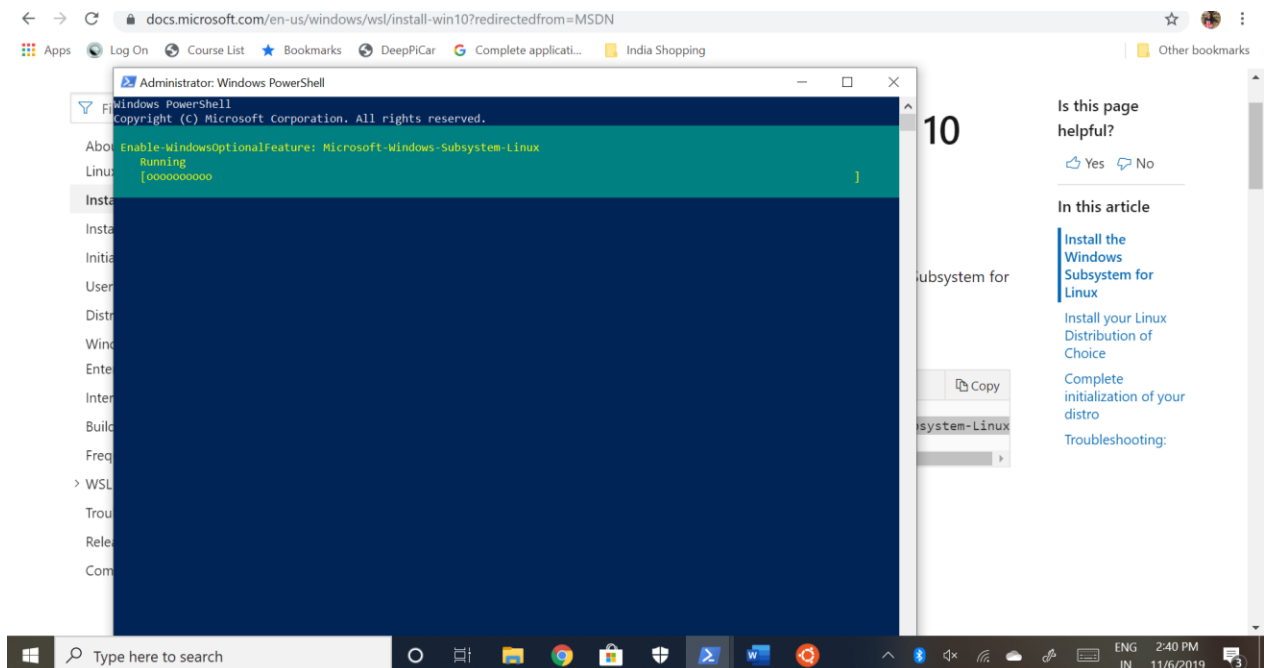
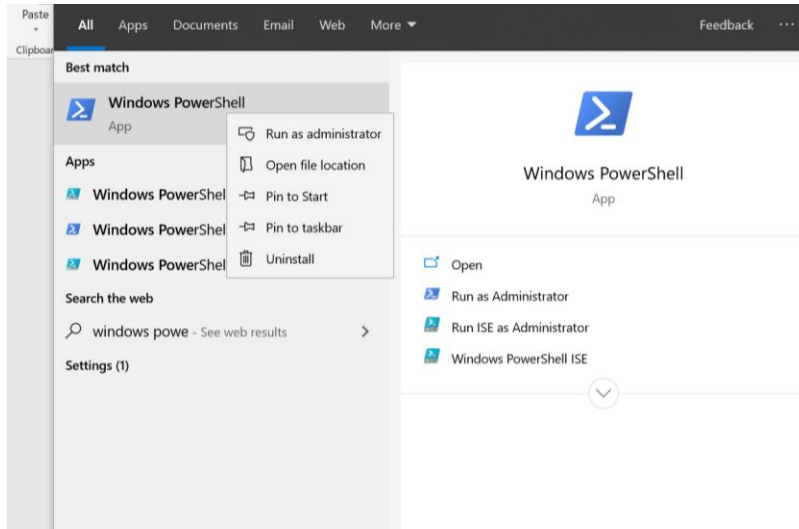
**Step2: Install Ubuntu after Download completes. (it shows windows subsystem is not enables for linux)**



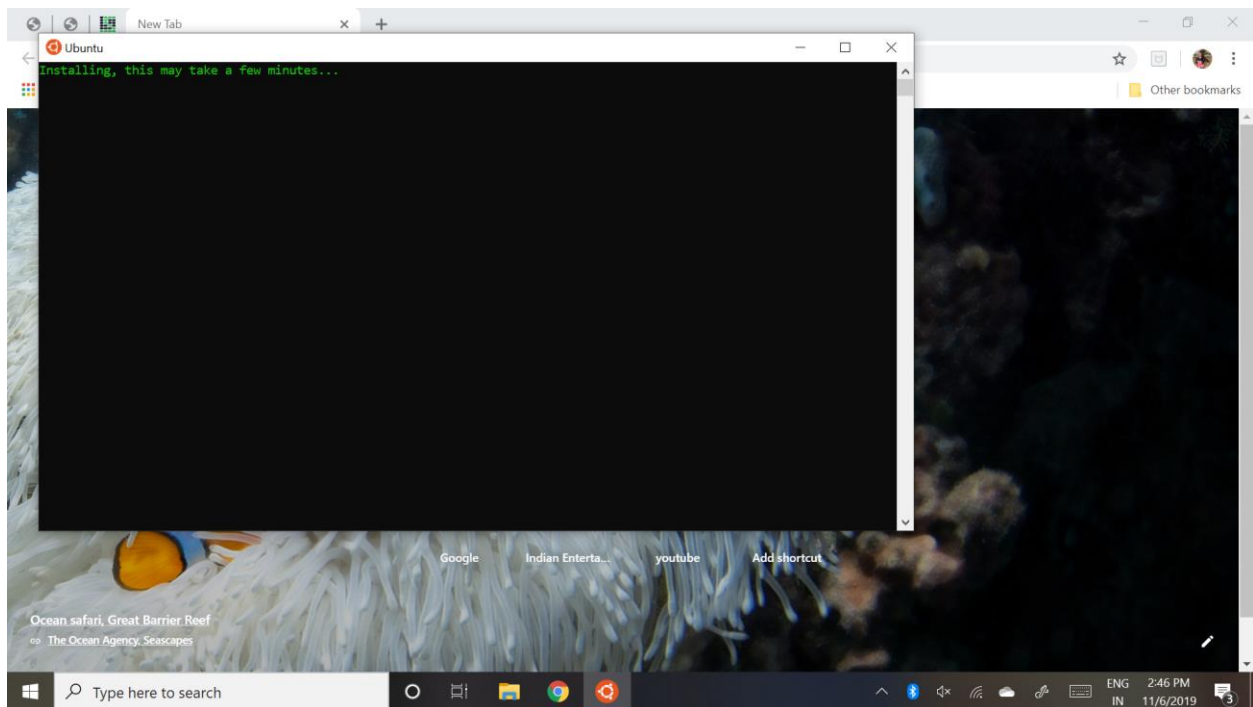
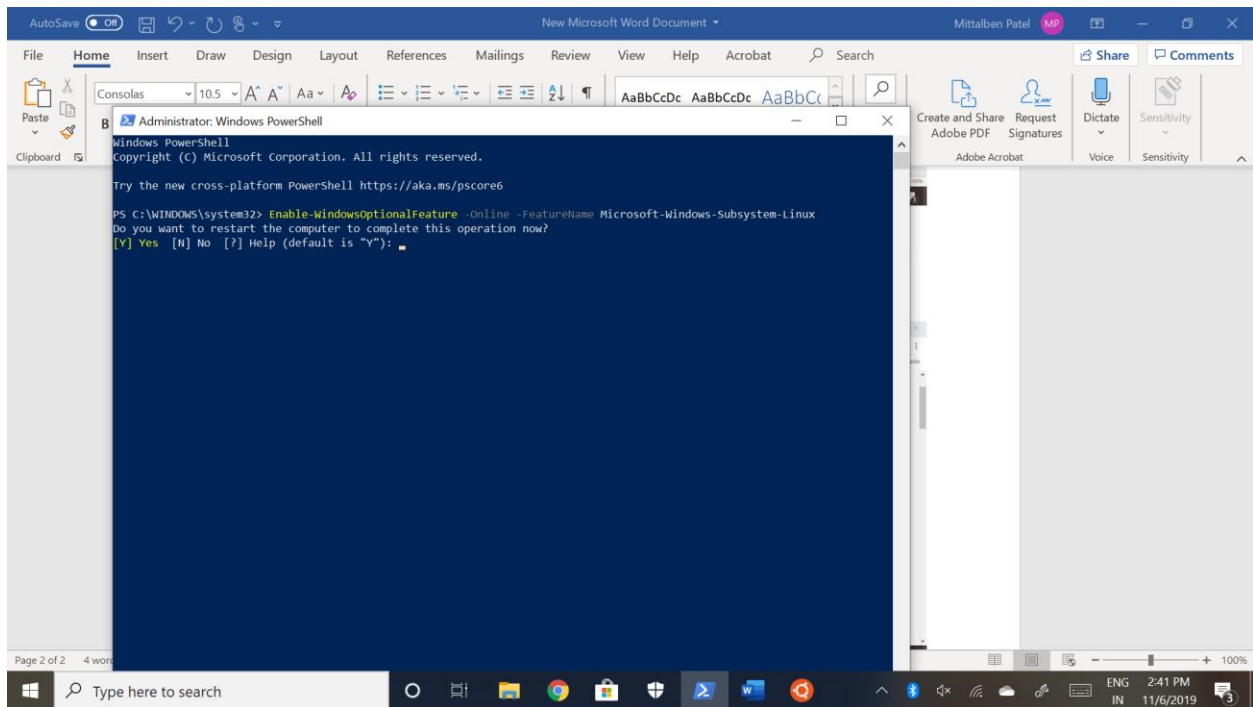
**Step3: Run Windows PowerShell with Administrator permission and paste the following command:**

**Enable-WindowsOptionalFeature -Online -FeatureName Microsoft-Windows-Subsystem-Linux**

**Note:** if you simply run Windows PowerShell it will not work for you (you must run with the administrator permission)



**Step 4: After successful completion it will ask for restart system → press 'Y'**



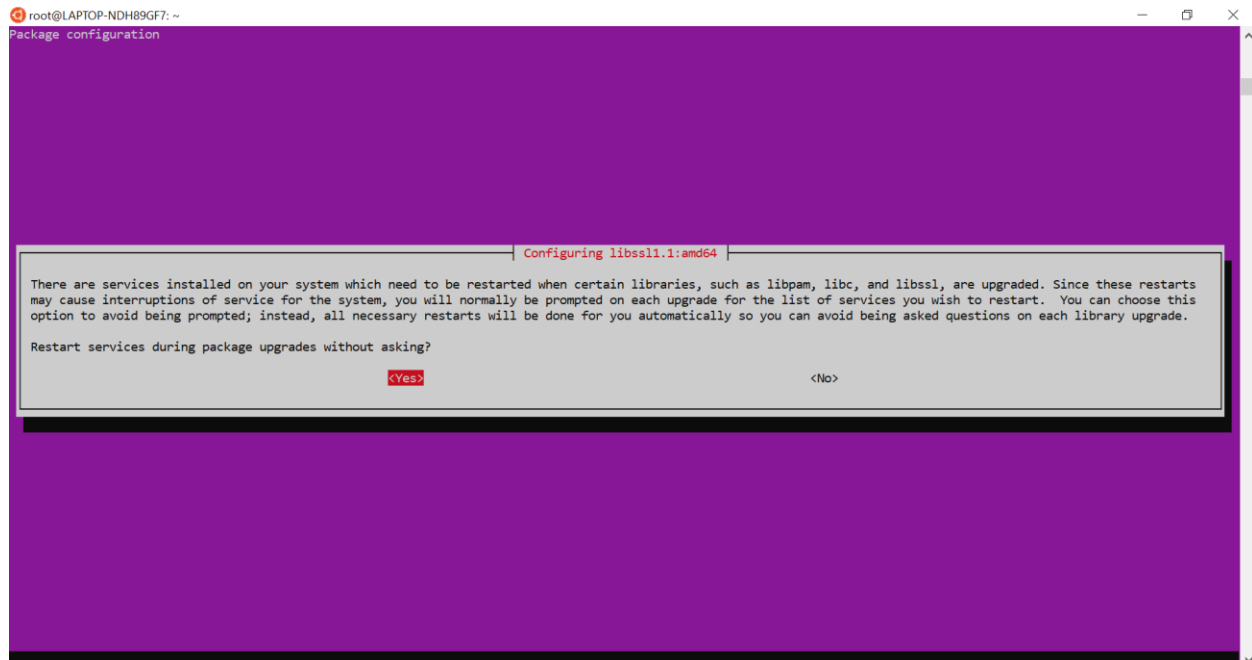
# Install MySQL in Ubuntu

## Step 1: sudo apt update

```
root@LAPTOP-NDH89GF7: ~  
root@LAPTOP-NDH89GF7:~# sudo apt update  
Get:1 http://security.ubuntu.com/ubuntu bionic-security InRelease [88.7 kB]  
Hit:2 http://archive.ubuntu.com/ubuntu bionic InRelease  
Get:3 http://archive.ubuntu.com/ubuntu bionic-updates InRelease [88.7 kB]  
Get:4 http://archive.ubuntu.com/ubuntu bionic-backports InRelease [74.6 kB]  
Get:5 http://security.ubuntu.com/ubuntu bionic-security/main amd64 Packages [590 kB]  
Get:6 http://security.ubuntu.com/ubuntu bionic-security/main Translation-en [104 kB]  
Get:7 http://security.ubuntu.com/ubuntu bionic-security/restricted amd64 Packages [14.6 kB]  
Get:8 http://security.ubuntu.com/ubuntu bionic-security/restricted Translation-en [4600 B]  
Get:9 http://security.ubuntu.com/ubuntu bionic-security/universe amd64 Packages [626 kB]  
Get:10 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 Packages [814 kB]  
Get:11 http://security.ubuntu.com/ubuntu bionic-security/universe Translation-en [209 kB]  
Get:12 http://security.ubuntu.com/ubuntu bionic-security/multiverse amd64 Packages [6116 B]  
Get:13 http://security.ubuntu.com/ubuntu bionic-security/multiverse Translation-en [2600 B]  
Get:14 http://archive.ubuntu.com/ubuntu bionic-updates/main Translation-en [287 kB]  
Get:15 http://archive.ubuntu.com/ubuntu bionic-updates/restricted amd64 Packages [23.4 kB]  
Get:16 http://archive.ubuntu.com/ubuntu bionic-updates/restricted Translation-en [6436 B]  
Get:17 http://archive.ubuntu.com/ubuntu bionic-updates/universe amd64 Packages [1032 kB]  
Get:18 http://archive.ubuntu.com/ubuntu bionic-updates/universe Translation-en [319 kB]  
Get:19 http://archive.ubuntu.com/ubuntu bionic-updates/multiverse amd64 Packages [8736 B]  
Get:20 http://archive.ubuntu.com/ubuntu bionic-updates/multiverse Translation-en [4080 B]  
Fetched 4393 kB in 14s (303 kB/s)  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
128 packages can be upgraded. Run 'apt list --upgradable' to see them.  
root@LAPTOP-NDH89GF7:~#
```

## Step 2: sudo apt install mysql-server

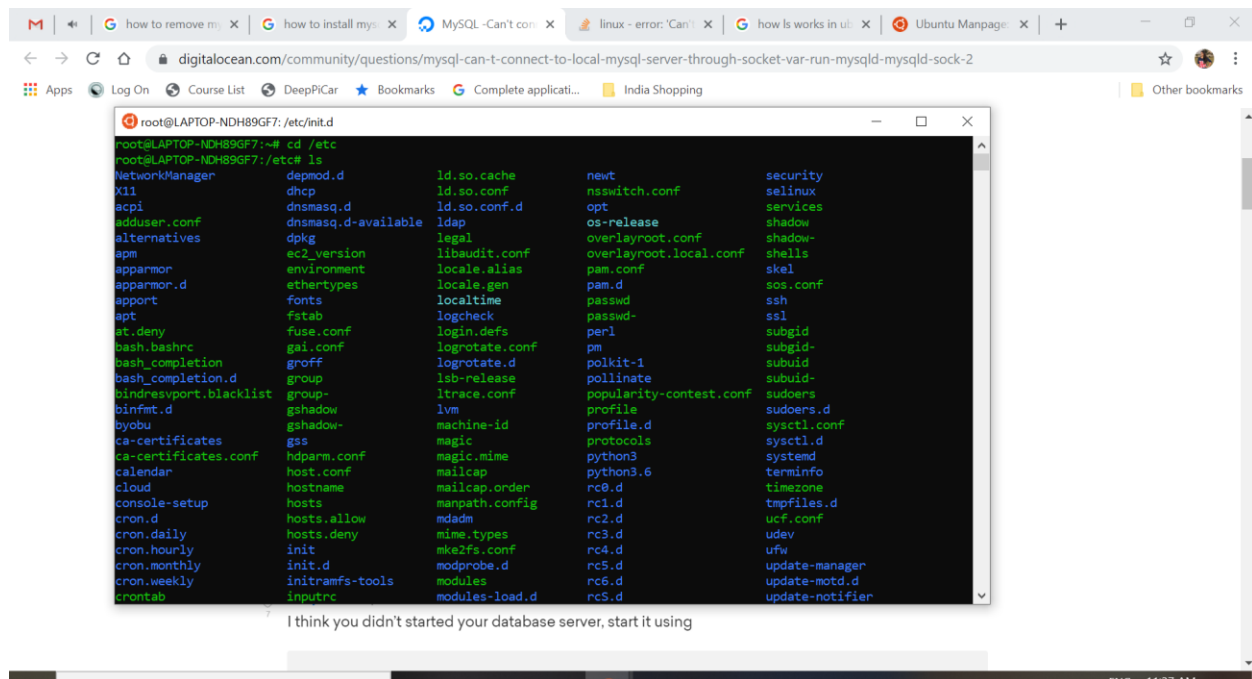
```
root@LAPTOP-NDH89GF7: ~  
Unpacking liblwp-mediatypes-perl (6.02-1) ...  
Selecting previously unselected package libhttp-message-perl.#####  
Preparing to unpack .../libhttp-message-perl_6.14-1_all.deb ...  
Unpacking libhttp-message-perl (6.14-1) ...  
Selecting previously unselected package mysql-server.#####  
Preparing to unpack .../mysql-server_5.7.28-0ubuntu0.18.04.4_all.deb ...  
Unpacking mysql-server (5.7.28-0ubuntu0.18.04.4) ...  
Setting up libhtml-tagset-perl (3.20-3) ...  
Setting up libevent-core-2.1-6:amd64 (2.1.8-stable-4build1) ...  
Processing triggers for ureadahead (0.100.0-21) ...  
Setting up libencode-locale-perl (1.05-1) ...  
Setting up libtime-date-perl (2.3000-2) ...  
Setting up libio-html-perl (1.001-1) ...  
Setting up liblwp-mediatypes-perl (6.02-1) ...  
Processing triggers for libc-bin (2.27-3ubuntu1) ...  
Setting up libaio1:amd64 (0.3.110-5ubuntu0.1) ...  
Setting up liburi-perl (1.73-1) ...  
Setting up libssl1.1:amd64 (1.1.1-1ubuntu2.1-18.04.5) ...  
Checking for services that may need to be restarted...done.#####  
Checking for services that may need to be restarted...done.  
Checking init scripts...  
  
Restarting services possibly affected by the upgrade:  
invoke-rc.d: could not determine current runlevel  
  
Services restarted successfully.  
  
Processing triggers for systemd (237-3ubuntu0.21) ...  
Setting up libhtml-parser-perl (3.72-3build1) ...  
Setting up libcgi-pm-perl (4.38-1) ...  
Processing triggers for man-db (2.8.3-2ubuntu0.1) ...  
Setting up mysql-client-core-5.7 (5.7.28-0ubuntu0.18.04.4) ...  
Setting up libfcgi-perl (0.78-2build1) ...  
Setting up libhttp-date-perl (6.02-1) ...  
Setting up libhtml-template-perl (2.97-1) ...  
Setting up mysql-server-core-5.7 (5.7.28-0ubuntu0.18.04.4) ...  
Setting up libcgi-fast-perl (1:2.13-1) ...  
Setting up libhttp-message-perl (6.14-1) ...  
Setting up mysql-client-5.7 (5.7.28-0ubuntu0.18.04.4) ...  
Setting up mysql-server-5.7 (5.7.28-0ubuntu0.18.04.4) ...  
Progress: [ 95% ] #####
```



**Step 3: Change Current Directory to /etc/init.d using following command**

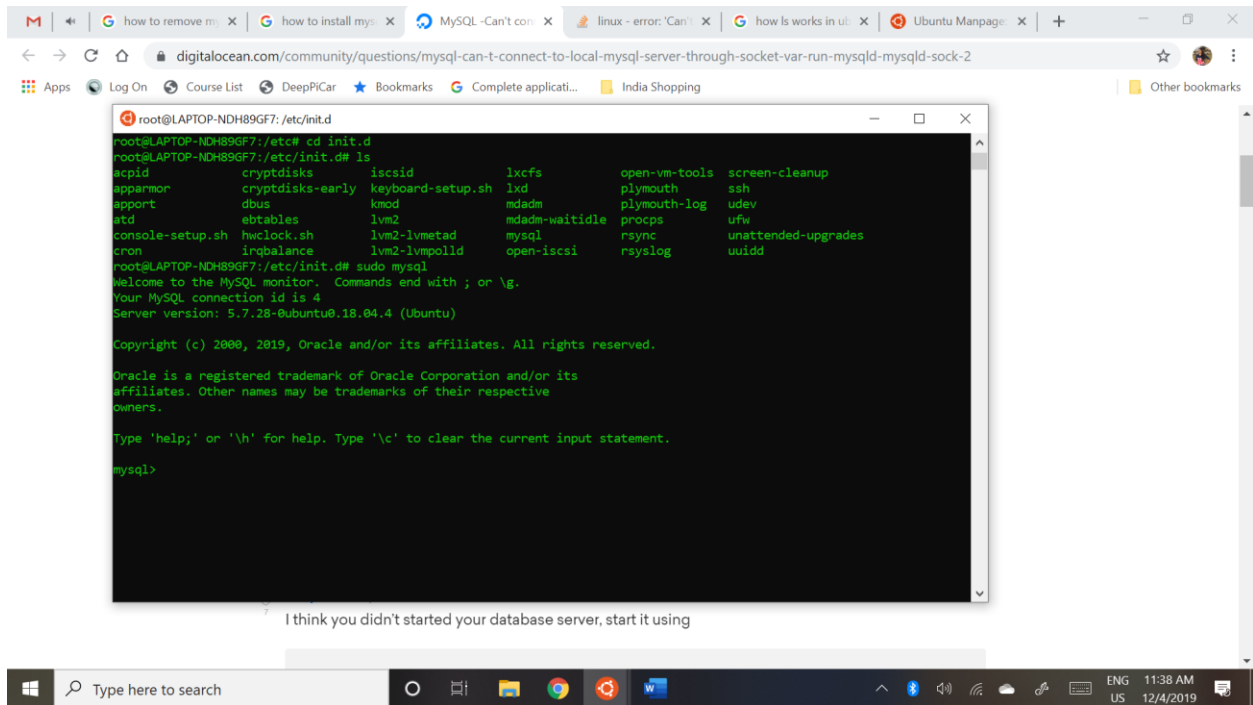
**Cd /etc**

**Cd init.d**



## Step 4: Launch mysql using Sudo mysql or mysql

### Sudo mysql



```
root@LAPTOP-NDH89GF7: /etc/init.d
root@LAPTOP-NDH89GF7:/etc# cd init.d
root@LAPTOP-NDH89GF7:/etc/init.d# ls
acpid          cryptdisks      iscsid          lxcfs          open-vm-tools  screen-cleanup
apparmor       cryptdisks-early keyboard-setup.sh lxd            Plymouth       ssh
apport         dbus            kmod            mdadm          plymouth-log   udev
atd            ebttables       lvm2            mdadm-waitidle procs           ufw
console-setup.sh hwclock.sh      lvm2-lvmetad    mysql          rsync           unattended-upgrades
cron           irqbalance      lvm2-lvmpolld   open-iscsi     rsyslog         uuid

root@LAPTOP-NDH89GF7:/etc/init.d# sudo mysql
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 4
Server version: 5.7.28-0ubuntu0.18.04.4 (Ubuntu)

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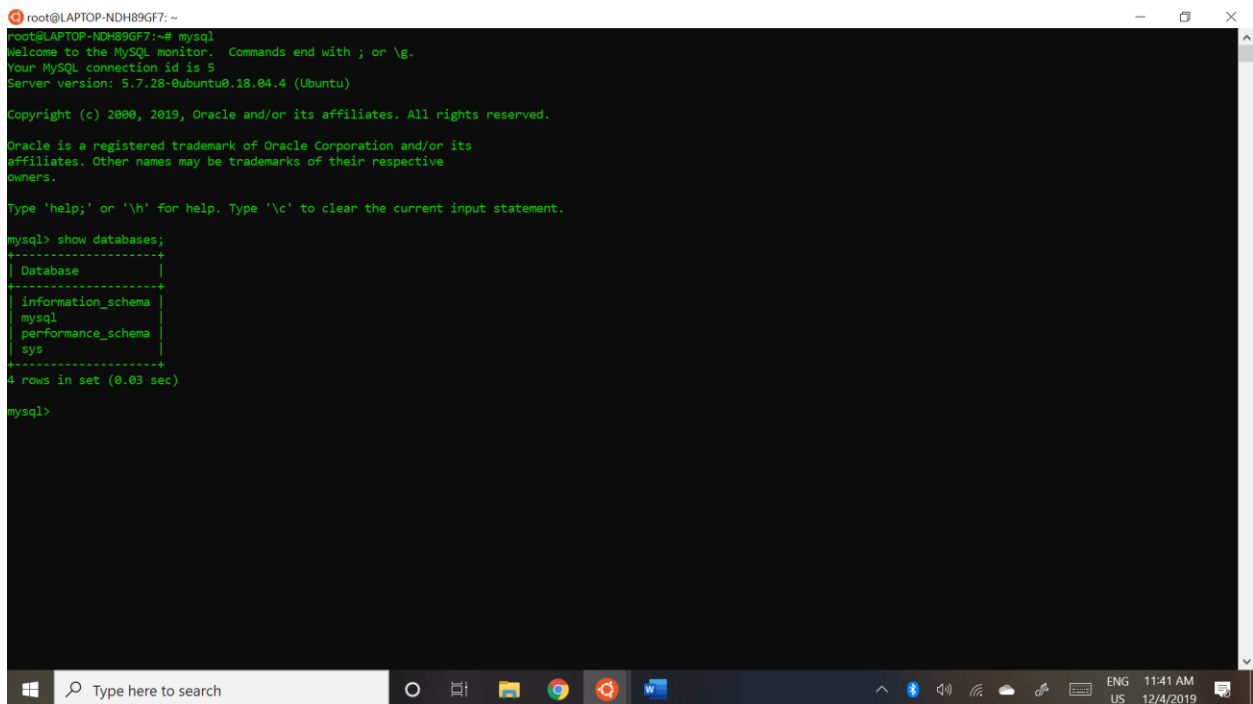
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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql>
```

I think you didn't started your database server, start it using

## Step 5: try and test different SQL command



```
root@LAPTOP-NDH89GF7: ~
root@LAPTOP-NDH89GF7:~# mysql
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 5
Server version: 5.7.28-0ubuntu0.18.04.4 (Ubuntu)

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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql      |
| performance_schema |
| sys       |
+-----+
4 rows in set (0.03 sec)

mysql>
```

```
root@LAPTOP-NDH89GF7: ~  
mysql> create database TUTORIALS;  
Query OK, 1 row affected (0.00 sec)  
  
mysql> show databases;  
+-----+  
| Database |  
+-----+  
| information_schema |  
| TUTORIALS |  
| mysql |  
| performance_schema |  
| sys |  
+-----+  
5 rows in set (0.00 sec)  
  
mysql> CREATE TABLE tutorials_tbl(  
-> -> tutorial_id INT NOT NULL AUTO_INCREMENT,  
-> -> tutorial_title VARCHAR(100) NOT NULL,  
-> -> tutorial_author VARCHAR(40) NOT NULL,  
-> -> submission_date DATE,  
-> -> PRIMARY KEY ( tutorial_id )  
-> -> );  
ERROR 1046 (30000): No database selected  
mysql> Quse TUTORIALS;  
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'Quse TUTORIALS' at  
t line 1  
mysql> CREATE TABLE tutorials_tbl(  
-> -> tutorial_id INT NOT NULL AUTO_INCREMENT,  
-> -> tutorial_title VARCHAR(100) NOT NULL,  
-> -> tutorial_author VARCHAR(40) NOT NULL,  
-> -> submission_date DATE,  
-> -> PRIMARY KEY ( tutorial_id )  
-> -> );  
ERROR 1046 (30000): No database selected  
mysql> use TUTORIALS;  
Database changed  
mysql> CREATE TABLE tutorials_tbl(  
-> -> tutorial_id INT NOT NULL AUTO_INCREMENT,  
-> -> tutorial_title VARCHAR(100) NOT NULL,  
-> -> tutorial_author VARCHAR(40) NOT NULL,  
-> -> submission_date DATE,
```