# Ubuntu MySQL Commands

## Install mysql from terminal

```
sudo apt-get install mysql-server
```

## check status, stop and start server, check version

```
sudo service mysql status
sudo service mysql stop
sudo service mysql start
mysqladmin --version

sudo /Applications/XAMPP/xamppfiles/bin/mysql.server start
sudo /Applications/XAMPP/xamppfiles/bin/mysql -u root
```

## enter mysql db command line

```
sudo mysql

sudo path/mysql -u root
```

## from database admin

```
show databases;
```

## set password for root

```
sudo mysqladmin -u root password "12345";
```

## enter command mysql line

```
sudo mysql -u root -p
```

## create DB

```
create database AlbumsDB;
```

# use this database before adding tables atc.

```
use AlbumsDB;
show tables;
```

# create tables

create table books(
        book_id int not null auto_increment,
        book_name varchar(512) not null,
        book_author varchar(512) not null,
        book_movie varchar(512) not null,
        book_goodreads varchar(512) not null,
        book_imdb varchar(512) not null,
        book_poster varchar(512) not null,
        primary key (book_id)
);

INSERT INTO `books`
(book_id, book_name, book_author, book_movie, book_bookreads, book_imdb, book_poster)
VALUES (
1,
'Layla and Majnun',
'Shakarim Kudaiberdiuly',
'Layla and Majnun',
'https://www.goodreads.com/book/show/22908416/-layla-and-majnun',
'https://www.imdb.com/title/tt11313944/',
'https://i.gr-assets.com/images/S/compressed.photo.goodreads.com/books/1407857974l/22908
416.jpg');

INSERT INTO `books`
(book_id, book_name, book_author, book_movie, book_bookreads, book_imdb, book_poster)
VALUES (
2,
'The First Teacher',
'Chingiz Aitmatov',
'Първият учител',
'https://www.goodreads.com/book/show/27996502',
'https://www.imdb.com/title/tt0059585/',
'https://i.gr-assets.com/images/S/compressed.photo.goodreads.com/books/1448635437l/27996
502._SY475_.jpg');

```sql
create table USERS(
    user_id INT NOT NULL AUTO_INCREMENT,
    user_email VARCHAR(128) NOT NULL,
    user_password VARCHAR(32) NOT NULL,
    user__comments VARCHAR(512),
    PRIMARY KEY ( user_id )
    );
```

```sql
create table ALBUMS (
    album_id INT NOT NULL AUTO_INCREMENT,
    album_owner_id INT NOT NULL,
    album_name varchar(256) NOT NULL,
    album_description varchar(512) NOT NULL,
    album_date_create datetime NOT NULL,
    album_path varchar(256) NOT NULL,
    PRIMARY KEY (album_id),
    FOREIGN KEY (album_owner_id) REFERENCES USERS(user_id));
```

```sql
create table PHOTO (
    photo_id INT NOT NULL AUTO_INCREMENT,
    photo_owner_id INT NOT NULL,
    photo_album_id INT NOT NULL,
    photo_name varchar(256) NOT NULL,
    photo_description varchar(512) NOT NULL,
    album_date_taken datetime NOT NULL,
    album_date_upload datetime NOT NULL,
    photo_path varchar(256) NOT NULL,
    PRIMARY KEY (photo_id),
    FOREIGN KEY (photo_owner_id) REFERENCES USERS(user_id),
    FOREIGN KEY (photo_album_id) REFERENCES ALBUMS(album_id)
);
INSERT INTO USERS (user_id, user_email,user_password )
VALUES ( 1, "email","12345" );
```

# Add new user for project

```sql
CREATE USER 'albums_admin'@'localhost' IDENTIFIED BY 'alBUM_2018';
GRANT ALL PRIVILEGES ON * . * TO albums_admin@'localhost';
```
Add directory for storing
```
mkdir /home/PhotoAlbum/User/userName/AlbumName/photo/1.jpg
```

```sql
DELETE FROM USERS WHERE user_id='2';

SELECT * FROM USERS WHERE user_email='email' AND user_password='12345';

SELECT COUNT(user_id) FROM USERS WHERE user_email='email' AND
user_password='12345';
```