Οδηγίες εκτέλεσης προγράμματος με το docker & IntelliJIDEA

1. Κατεβάστε την εφαρμογή Docker

https://docs.docker.com/desktop/windows/install/

2. Δημιουργήστε λογαριασμό στο Docker.
3. Ανοίξτε το command Promt και τρέξτε τις ακόλουθε εντολές.

docker run --name mysqldb -p 3306:3306 -e MYSQL_ROOT_PASSWORD=students123 -d mysql

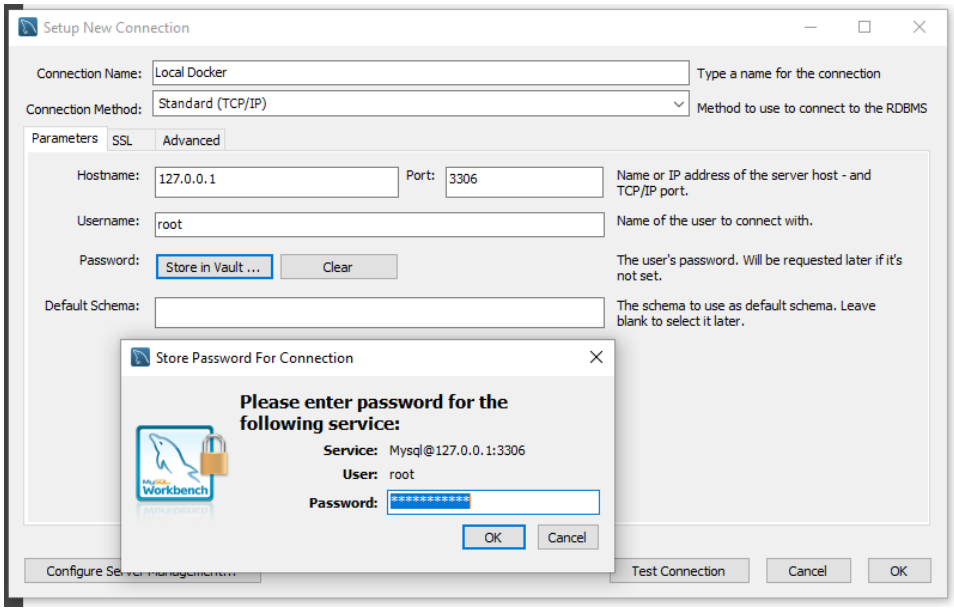
Για να ελέγξεις ότι η εντολή του έτρεξε σωστά τρέξε την εντολή

docker ps

4. Κατεβάστε την εφαρμογή MYSQL

https://dev.mysql.com/downloads/mysql/

5. Δημιούργησε ένα Connection πατώντας το εικονίδιο +
6. Συμπλήρωσε τα στοιχεία που σου ζητούνται. Ο κωδικός είναι students123 και το username root.



7. Δημιούργησε ένα login_db sheme. Με τις ακόλουθες εντολές

```
-- MySQL Workbench Forward Engineering


SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0;

SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS, FOREIGN_KEY_CHECKS=0;

SET @OLD_SQL_MODE=@@SQL_MODE,
SQL_MODE='ONLY_FULL_GROUP_BY,STRICT_TRANS_TABLES,NO_ZERO_IN_DATE,NO_ZERO_D
ATE,ERROR_FOR_DIVISION_BY_ZERO,NO_ENGINE_SUBSTITUTION';


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

-- Schema mydb

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

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

-- Schema login_db

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


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

-- Schema login_db

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

CREATE SCHEMA IF NOT EXISTS `login_db` DEFAULT CHARACTER SET utf8mb4
COLLATE utf8mb4_0900_ai_ci ;

USE `login_db` ;


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

-- Table `login_db`.`users`

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

CREATE TABLE IF NOT EXISTS `login_db`.`users` (

  `user_id` BIGINT NOT NULL AUTO_INCREMENT,

  `enabled` INT NOT NULL,

  `password` VARCHAR(255) NOT NULL,

  `username` VARCHAR(255) NOT NULL,

  PRIMARY KEY (`user_id`),

  UNIQUE INDEX `UK_r43af9ap4edm43mmtq01oddj6` (`username` ASC) VISIBLE)

ENGINE = InnoDB
```

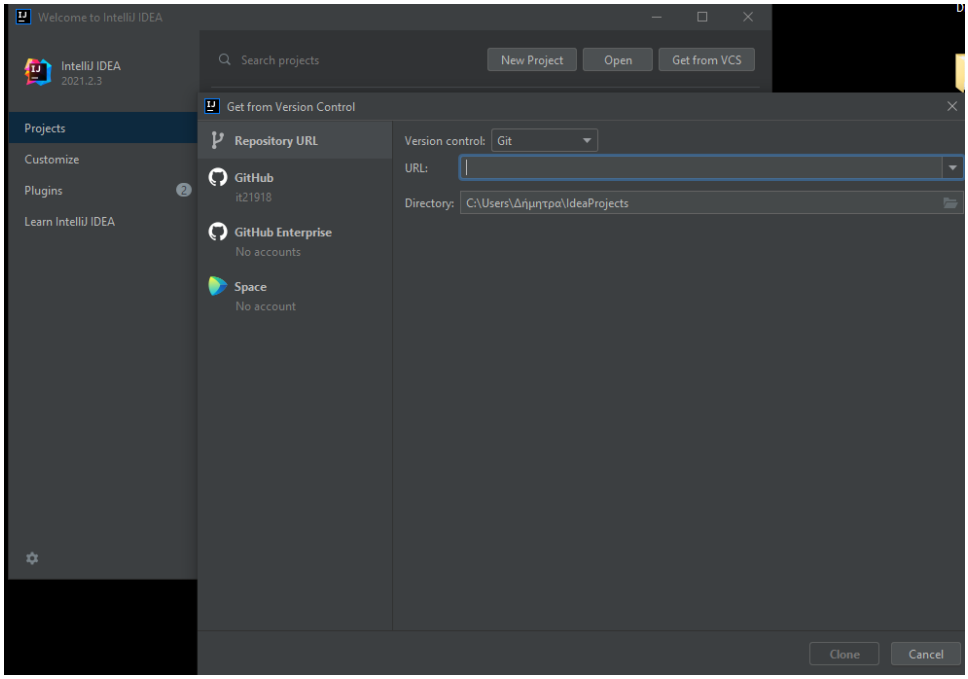
```
AUTO_INCREMENT = 6
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci;


-- -----------------------------------------------------
-- Table `login_db`.`requests`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `login_db`.`requests` (
  `id` BIGINT NOT NULL AUTO_INCREMENT,
  `purpose` VARCHAR(45) NOT NULL,
  `status` VARCHAR(45) NOT NULL,
  `receiver_id` BIGINT NOT NULL,
  `sender_id` BIGINT NOT NULL,
  `timestamp` VARCHAR(45) NOT NULL,
  PRIMARY KEY (`id`),
  INDEX `FK8kh2eaehckhr55seyhe5k7vdy` (`receiver_id` ASC) VISIBLE,
  INDEX `FKg1js12lxokyqtj936eqv1mvmx` (`sender_id` ASC) VISIBLE,
  CONSTRAINT `FK8kh2eaehckhr55seyhe5k7vdy`
    FOREIGN KEY (`receiver_id`)
    REFERENCES `login_db`.`users` (`user_id`),
  CONSTRAINT `FKg1js12lxokyqtj936eqv1mvmx`
    FOREIGN KEY (`sender_id`)
    REFERENCES `login_db`.`users` (`user_id`))
ENGINE = InnoDB
AUTO_INCREMENT = 22
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci;


-- -----------------------------------------------------
-- Table `login_db`.`lessons`
```

```
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `login_db`.`lessons` (
  `lesson_id` BIGINT NOT NULL AUTO_INCREMENT,
  `grade` VARCHAR(45) NOT NULL,
  `name` VARCHAR(45) NOT NULL,
  `semester` INT NOT NULL,
  `requests_id` BIGINT NOT NULL,
  PRIMARY KEY (`lesson_id`),
  INDEX `FKksjm8u46p73j5mskyy61c5t93` (`requests_id` ASC) VISIBLE,
  CONSTRAINT `FKksjm8u46p73j5mskyy61c5t93`
    FOREIGN KEY (`requests_id`)
    REFERENCES `login_db`.`requests` (`id`))
ENGINE = InnoDB
AUTO_INCREMENT = 11
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci;



-- -----------------------------------------------------
-- Table `login_db`.`recommendation_letter`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `login_db`.`recommendation_letter` (
  `letter_id` BIGINT NOT NULL AUTO_INCREMENT,
  `text` TEXT NOT NULL,
  `requests_id` BIGINT NOT NULL,
  `timestamp` VARCHAR(45) NOT NULL,
  PRIMARY KEY (`letter_id`),
  INDEX `fk_recommendationLetter_requests1_idx` (`requests_id` ASC)
VISIBLE,
  CONSTRAINT `fk_recommendationLetter_requests1`
    FOREIGN KEY (`requests_id`)
    REFERENCES `login_db`.`requests` (`id`))
```

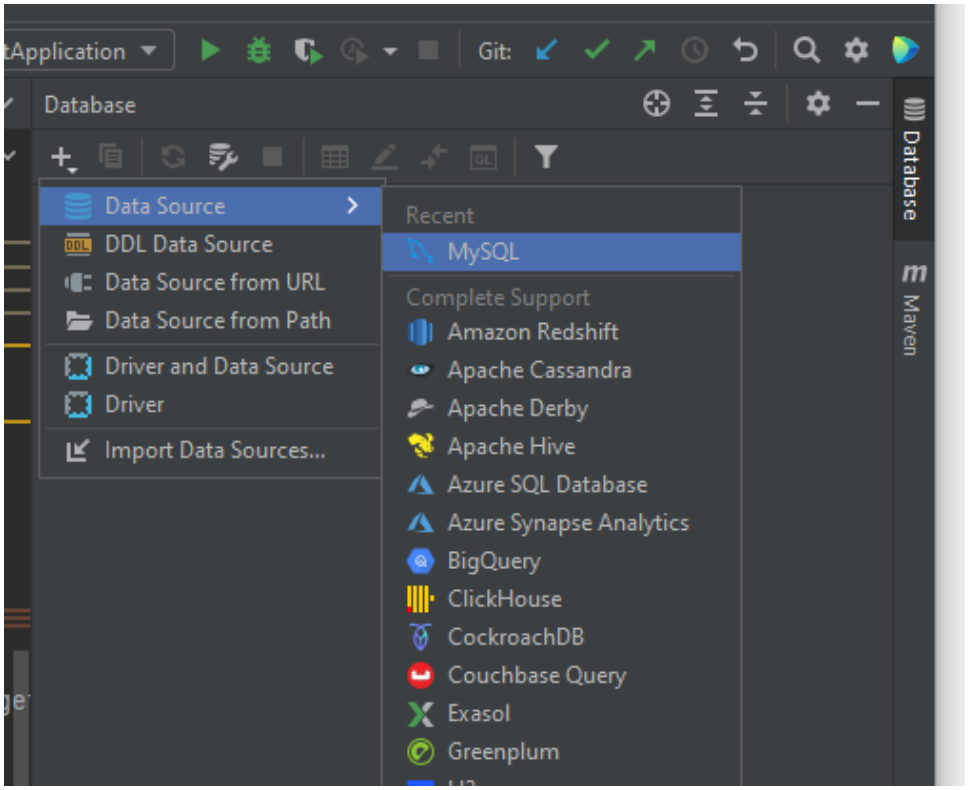
```
ENGINE = InnoDB
AUTO_INCREMENT = 3
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci;


-- -----------------------------------------------------
-- Table `login_db`.`roles`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `login_db`.`roles` (
  `role_id` INT NOT NULL AUTO_INCREMENT,
  `name` VARCHAR(255) NOT NULL,
  PRIMARY KEY (`role_id`))
ENGINE = InnoDB
AUTO_INCREMENT = 4
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci;


-- -----------------------------------------------------
-- Table `login_db`.`users_roles`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `login_db`.`users_roles` (
  `user_id` BIGINT NOT NULL,
  `role_id` INT NOT NULL,
  PRIMARY KEY (`user_id`, `role_id`),
  INDEX `FKj6m8fwv7oqv74fcehir1a9ffy` (`role_id` ASC) VISIBLE,
  CONSTRAINT `FK2o0jvgh89lemvvo17cbqvdxaa`
    FOREIGN KEY (`user_id`)
    REFERENCES `login_db`.`users` (`user_id`),
  CONSTRAINT `FKj6m8fwv7oqv74fcehir1a9ffy`
    FOREIGN KEY (`role_id`)
```

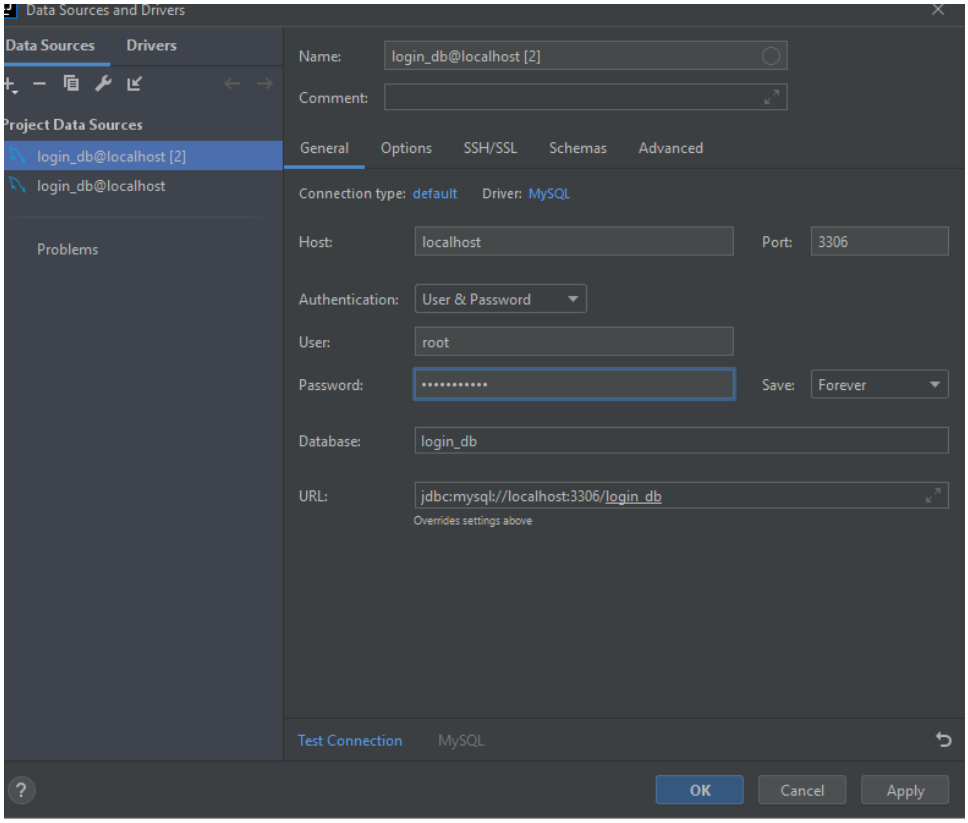
```
    REFERENCES `login_db`.`roles` (`role_id`))
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci;



SET SQL_MODE=@OLD_SQL_MODE;
SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS;
SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS;


use login_db;
insert into users (user_id,username,password,enabled) values
('1','admin@gmail.com','$2a$12$jsvf6S4wD3MexUJDdFaaKOJDNtaMn57BICEQ65y7uxX
8fBP/gIPe.',1);
insert into users (user_id,username,password,enabled) values
('2','student@gmail.com','$2a$12$wmpePALL618K9K1PnsQw9u12zBkzb2namL60yRAmC
B3hPlnChTptu',1);
insert into users (user_id,username,password,enabled) values
('3','teacher@gmail.com','$2a$12$jsvf6S4wD3MexUJDdFaaKOJDNtaMn57BICEQ65y7u
xX8fBP/gIPe.',1);


insert into roles(role_id,name) values ('1','ADMIN');
insert into roles (role_id,name) values ('2','STUDENT');
insert into roles (role_id,name) values ('3','TEACHER');


insert into users_roles values('1','1');
insert into users_roles values('2','2');
insert into users_roles values('3','3');
```

8. Κατέβασε τον κώδικα από τον gitHub.



9. Σύνδεσε το πρόγραμμα με την login_db βάση.

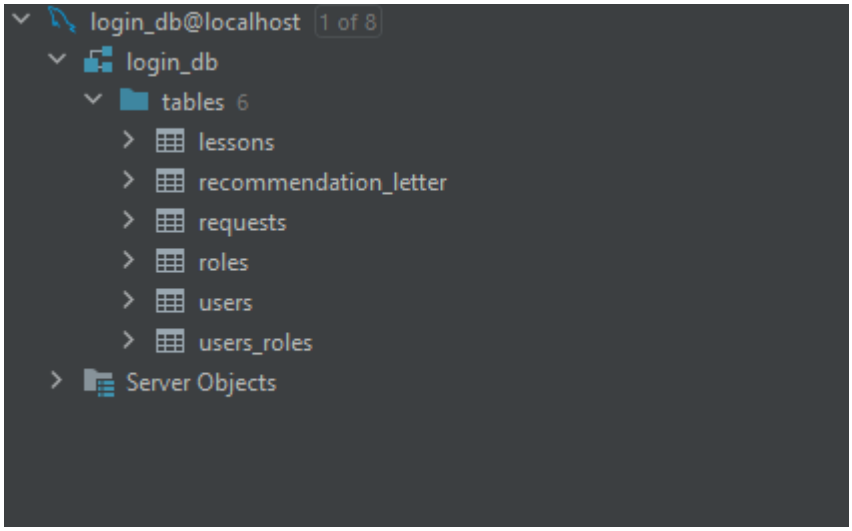




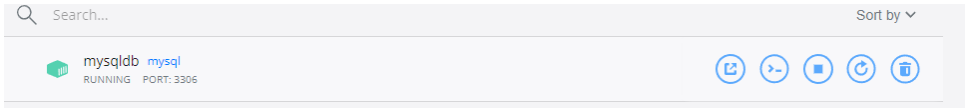
Ο κωδικός είναι: students123

User : root

Database :login_db



10. Φροντίστε ότι το docker mysqldb τρέχει κανονικά και τρέξτε τον κωδικά.



Στην βάση υπάρχουν 3 defualt users με 3 διαφορετικούς ρόλους. Δοκιμάστε να τρέξετε το πρόγραμμα με τα στοιχεία τους. Στο login ο κωδικός τους είναι 123 και το username admin@gmail.com, student@gmail.com , teacher@gmail.com