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

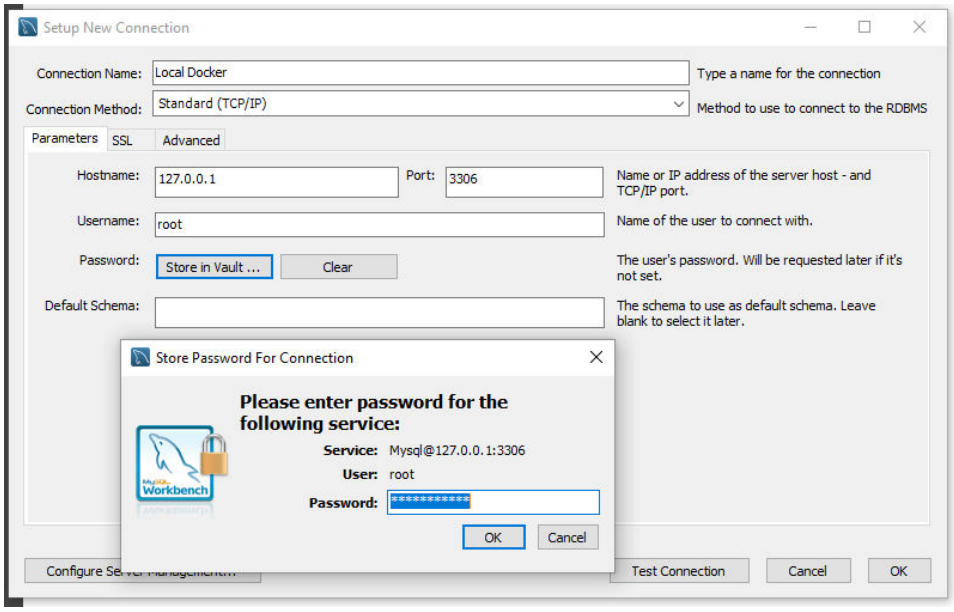
Για να ελέγξεις ότι η εντολή του έτρεξε σωστά τρέξε την εντολή

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.

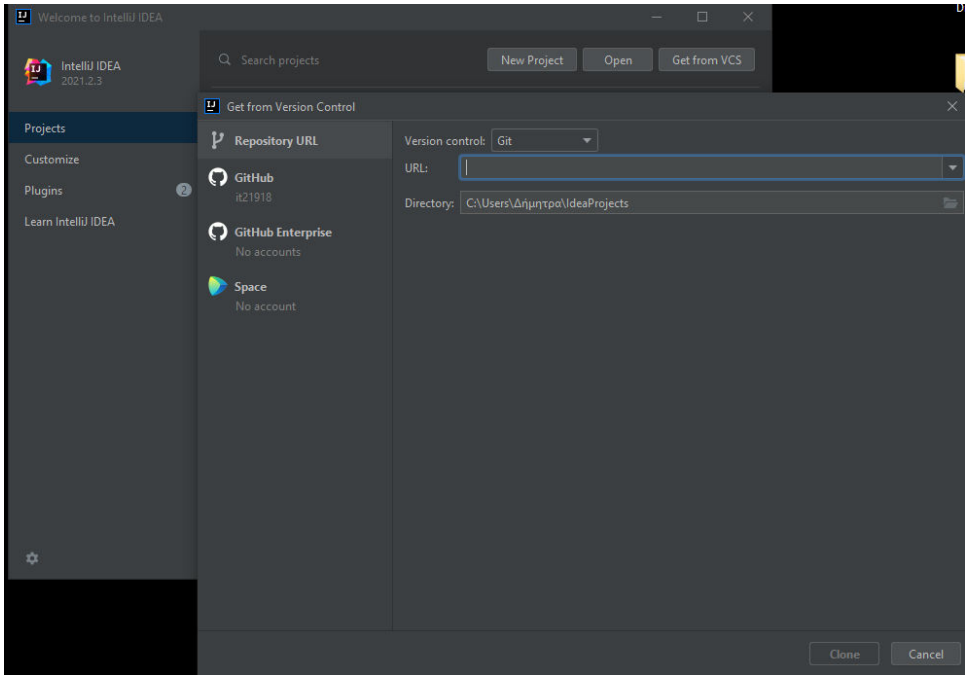


7. Δημιούργησε ένα login_db sheme. Με τις ακόλουθες εντολές

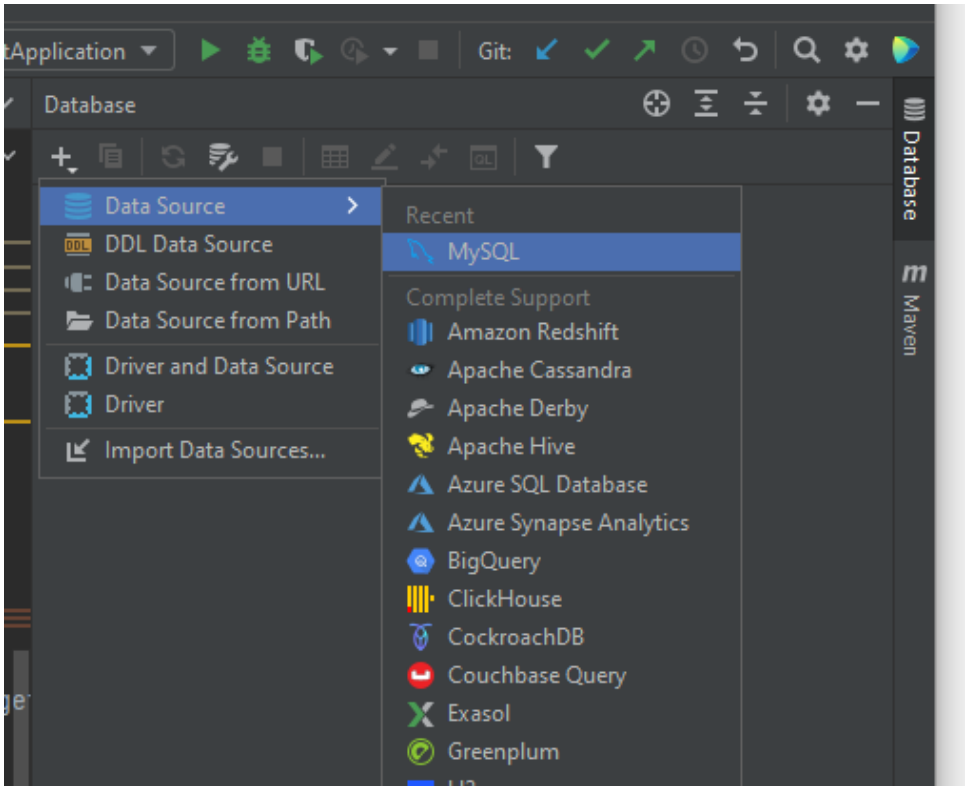
```
-- MySQL Workbench Forward EngineeringSET
@OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0;SET
@OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS, FOREIGN_KEY_CHECKS=0;SET
@OLD_SQL_MODE=@@SQL_MODE,
SQL_MODE='ONLY_FULL_GROUP_BY,STRICT_TRANS_TABLES,NO_ZERO_IN_DATE,NO_ZERO_D
ATE,ERROR_FOR_DIVISION_BY_ZERO,NO_ENGINE_SUBSTITUTION';-- ----------------
------------------------------------ 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(1) NOT NULL,  `password` VARCHAR(255) NOT NULL,  `username`
VARCHAR(255) NOT NULL,  PRIMARY KEY (`user_id`),  UNIQUE INDEX
`UK_r43af9ap4edm43mmtq01oddj6` (`username` ASC) VISIBLE)ENGINE =
InnoDBAUTO_INCREMENT = 6DEFAULT CHARACTER SET = utf8mb4COLLATE =
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,  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 = InnoDBAUTO_INCREMENT =
19DEFAULT CHARACTER SET = utf8mb4COLLATE = 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 = InnoDBAUTO_INCREMENT =
7DEFAULT CHARACTER SET = utf8mb4COLLATE = 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,
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`)    ON DELETE NO ACTION    ON
```

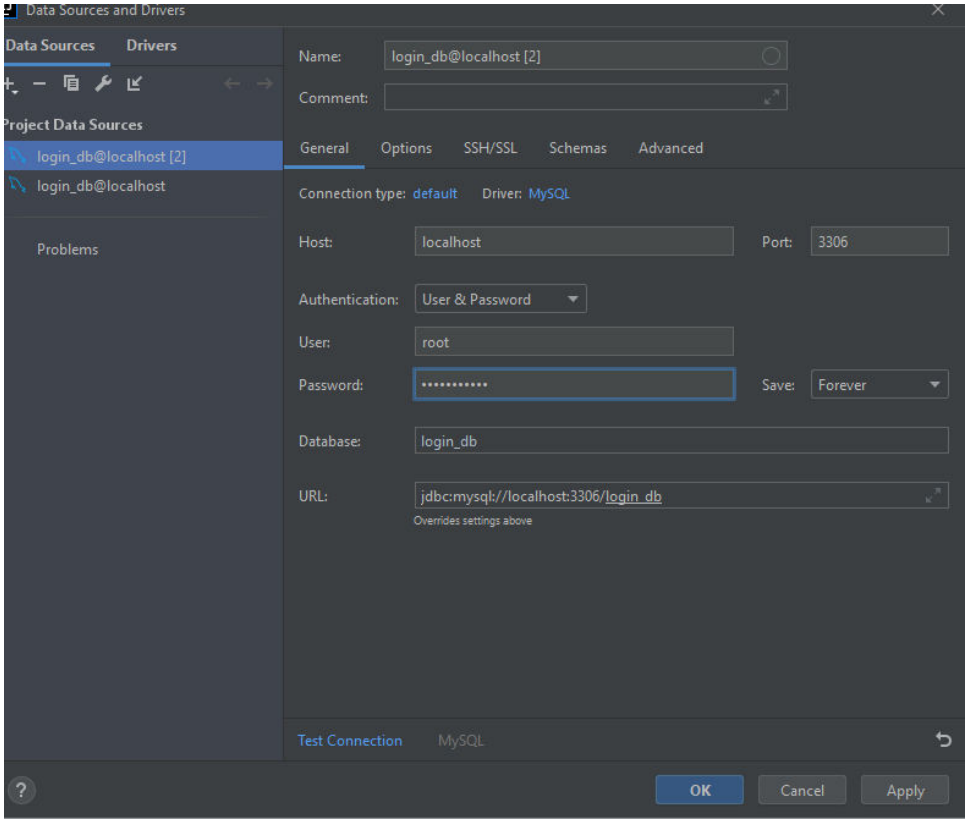
```
UPDATE NO ACTION)ENGINE = InnoDBDEFAULT CHARACTER SET = utf8mb4COLLATE =
utf8mb4_0900_ai_ci;-- ------------------------------------------------------
--- Table `login_db`.`roles`-- ------------------------------------------------
----------CREATE TABLE IF NOT EXISTS `login_db`.`roles` (  `role_id` INT
NOT NULL AUTO_INCREMENT,  `name` VARCHAR(255) NOT NULL,  PRIMARY KEY
(`role_id`))ENGINE = InnoDBAUTO_INCREMENT = 4DEFAULT CHARACTER SET =
utf8mb4COLLATE = 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 = InnoDBDEFAULT CHARACTER SET = utf8mb4COLLATE =
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.

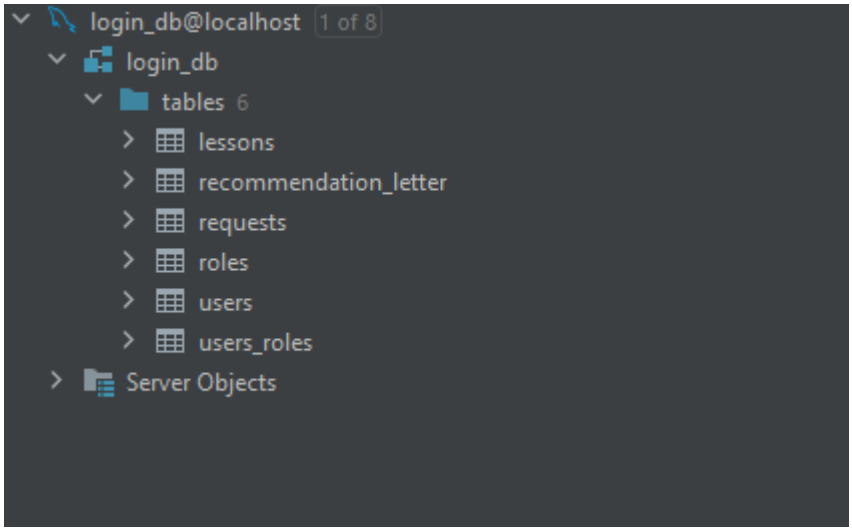




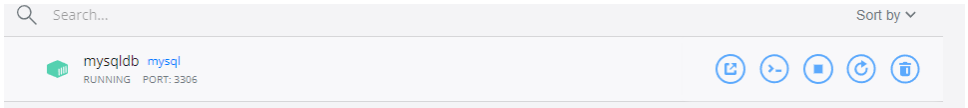
Ο κωδικός είναι: students123

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