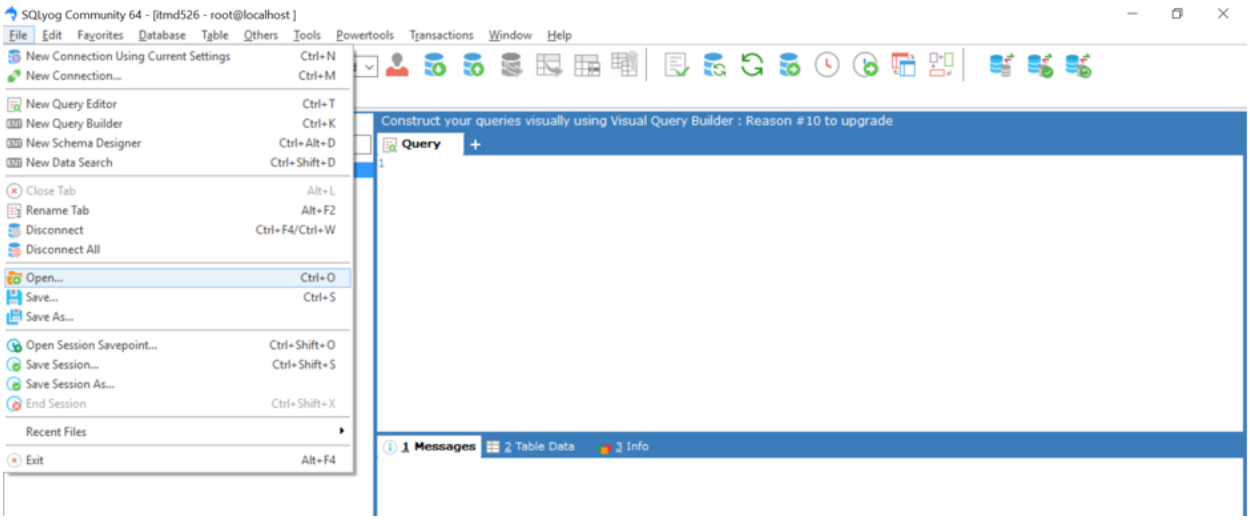
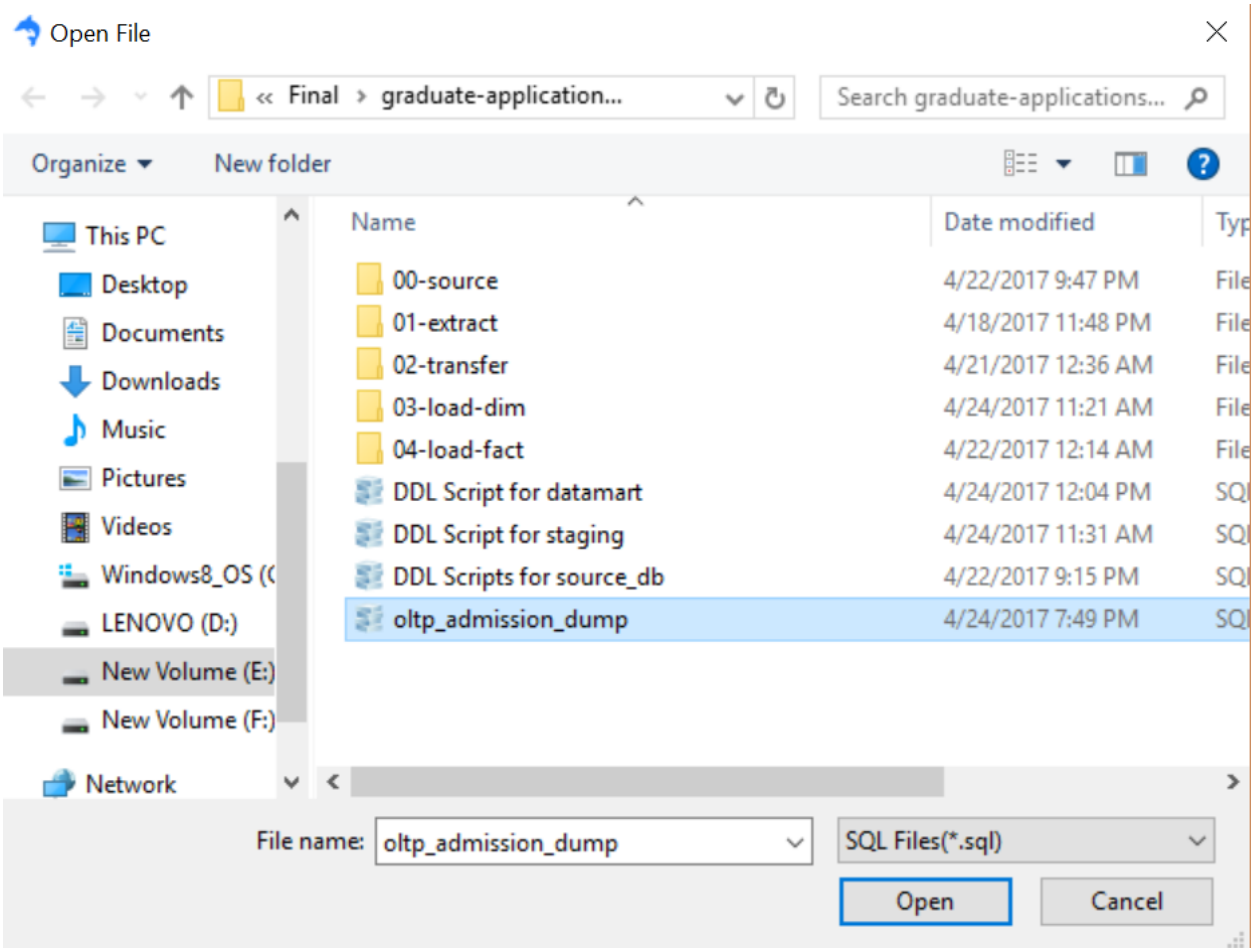
Follow the below steps to execute the project

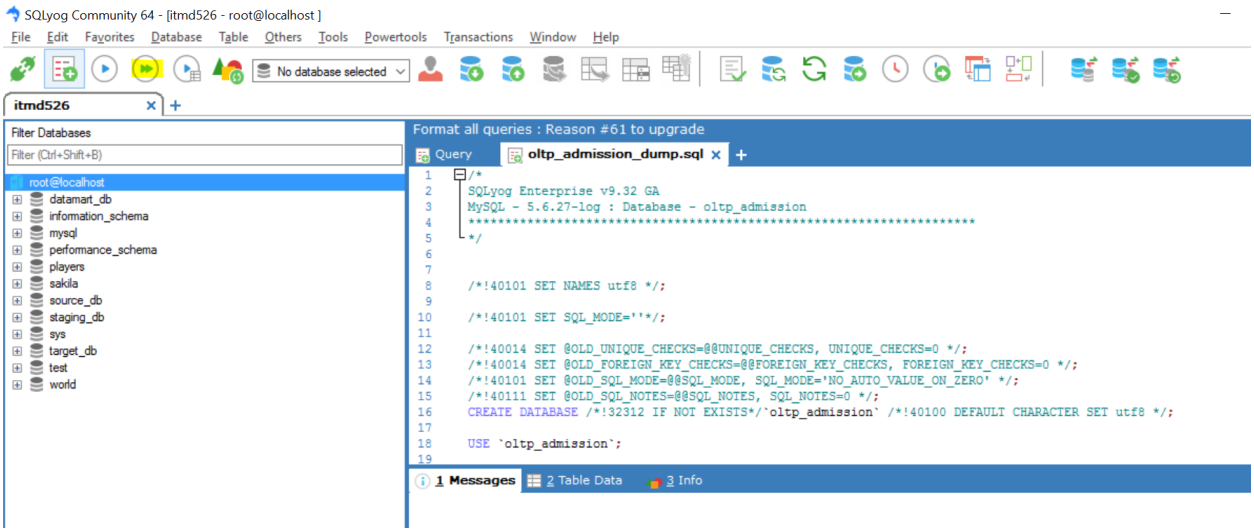
1. Open SQLyog. Choose File → Open



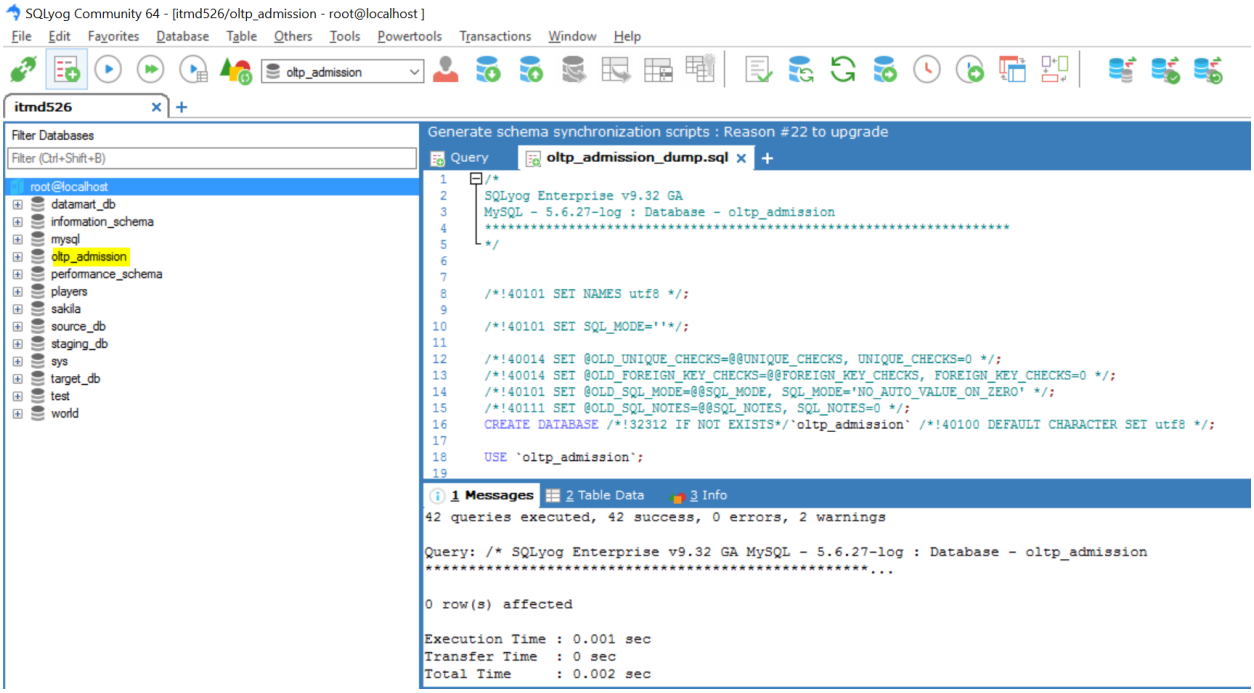
2. Select oltp_admission_dump from the submitted folder. Open



3. Execute the query by clicking the highlighted button

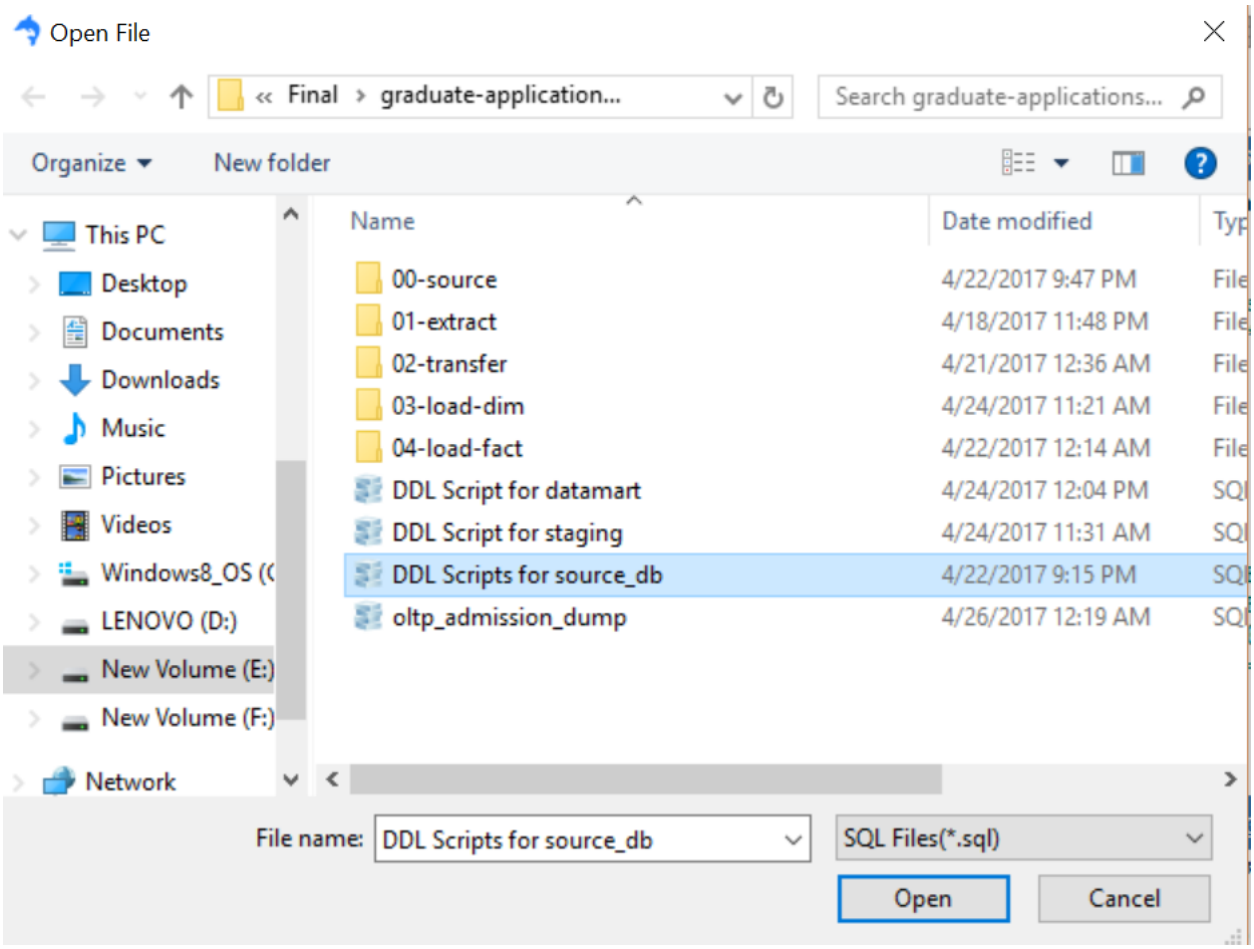


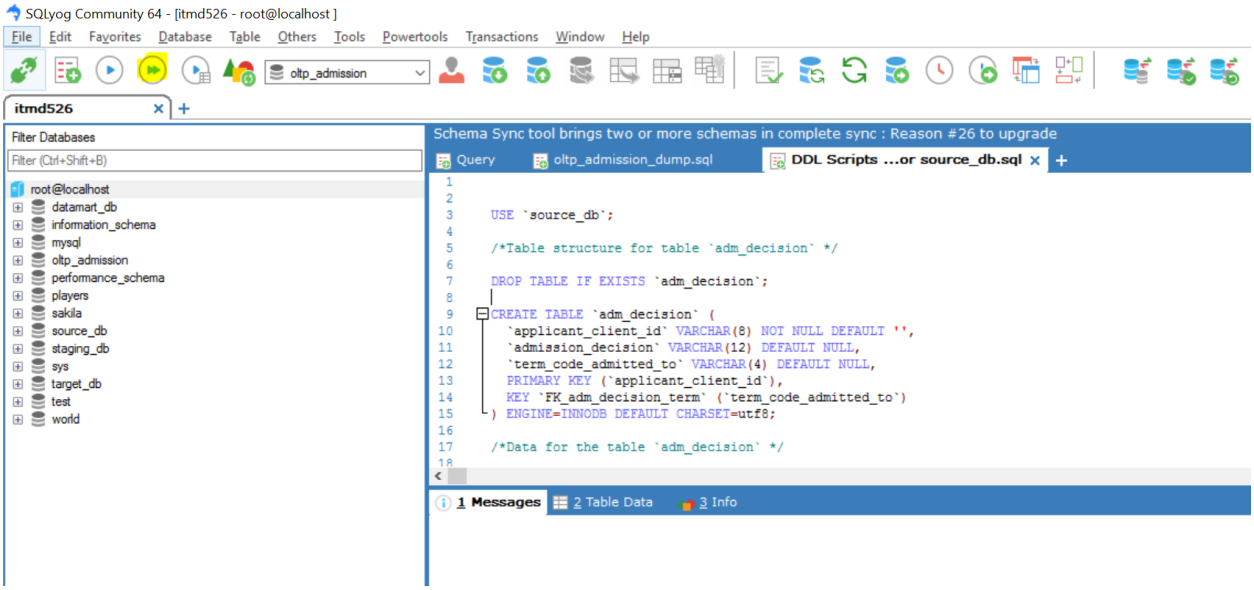
Query successfully created and database oltp_admission is created.

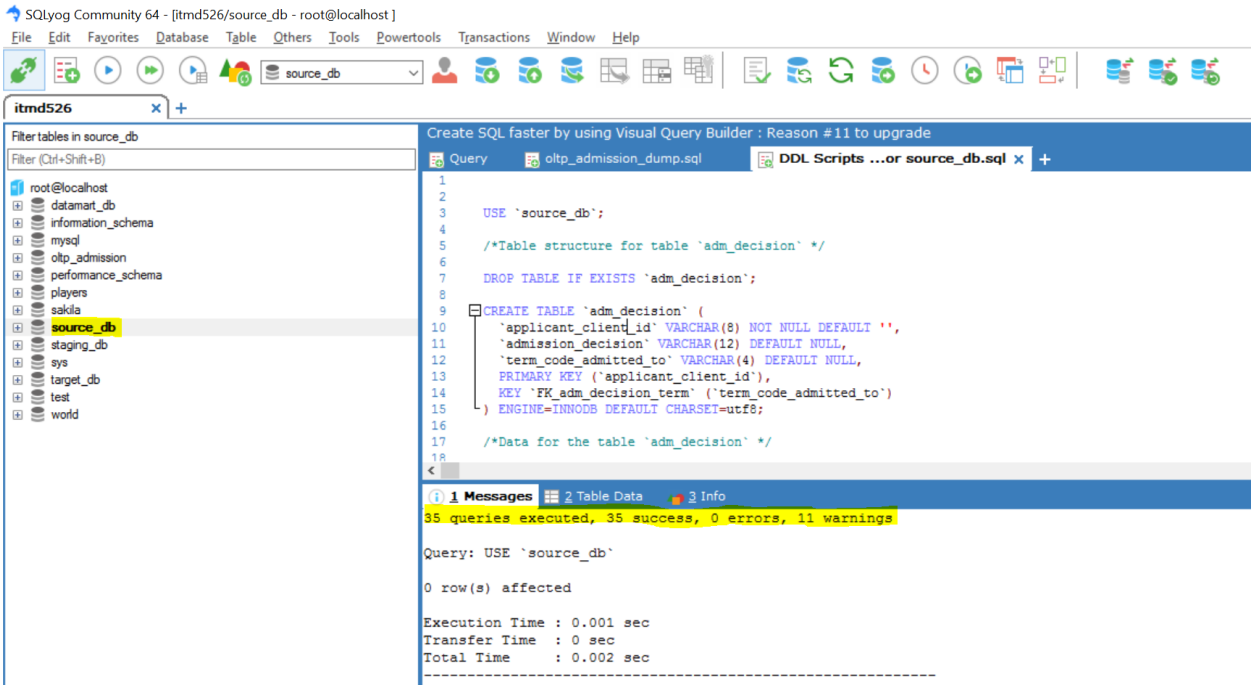


4. Open ddl scripts named “DDL Script for source_db” , “DDL Script for staging” and “DDL Script for datamart” and execute as shown below

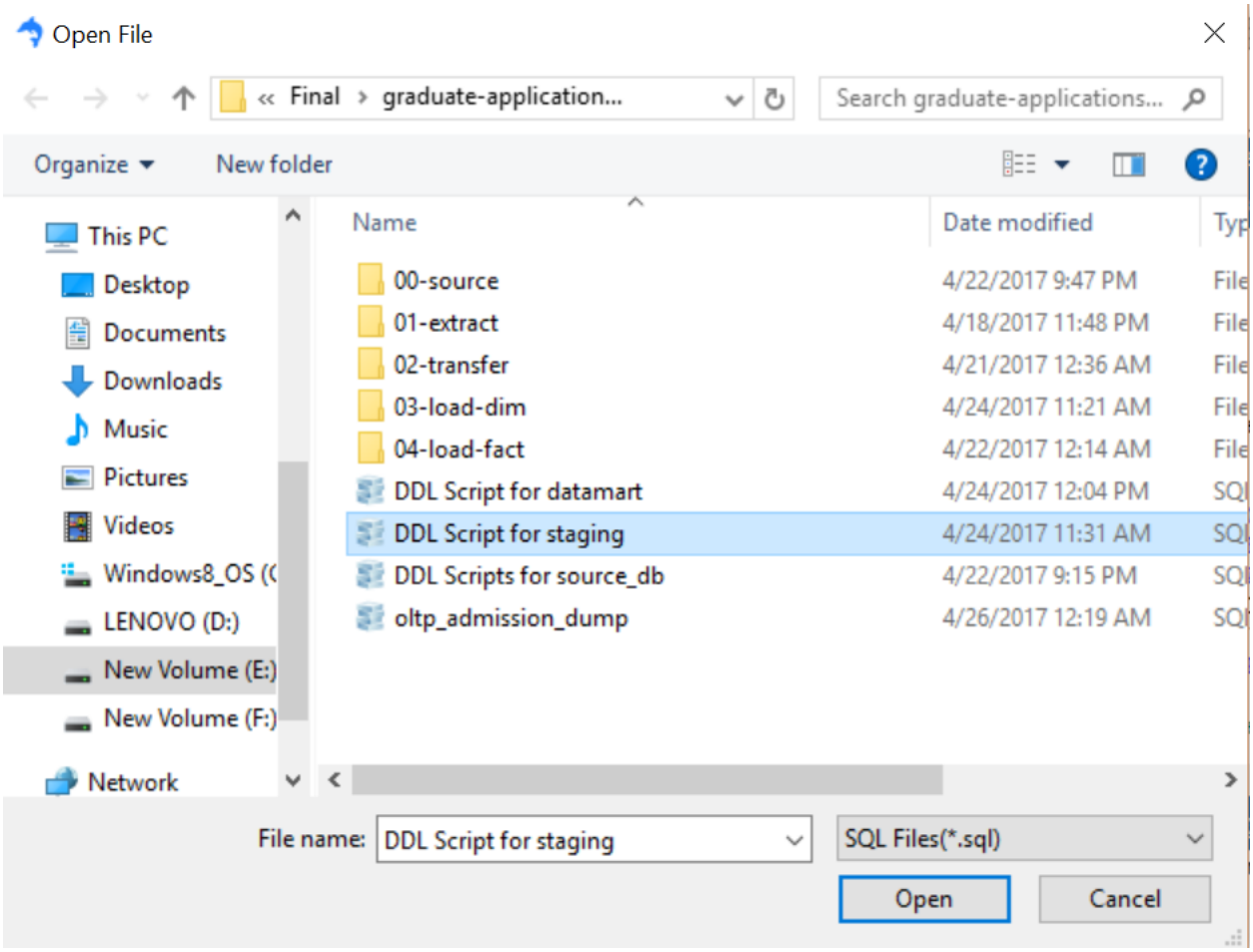
- Execute DDL Script for source_db

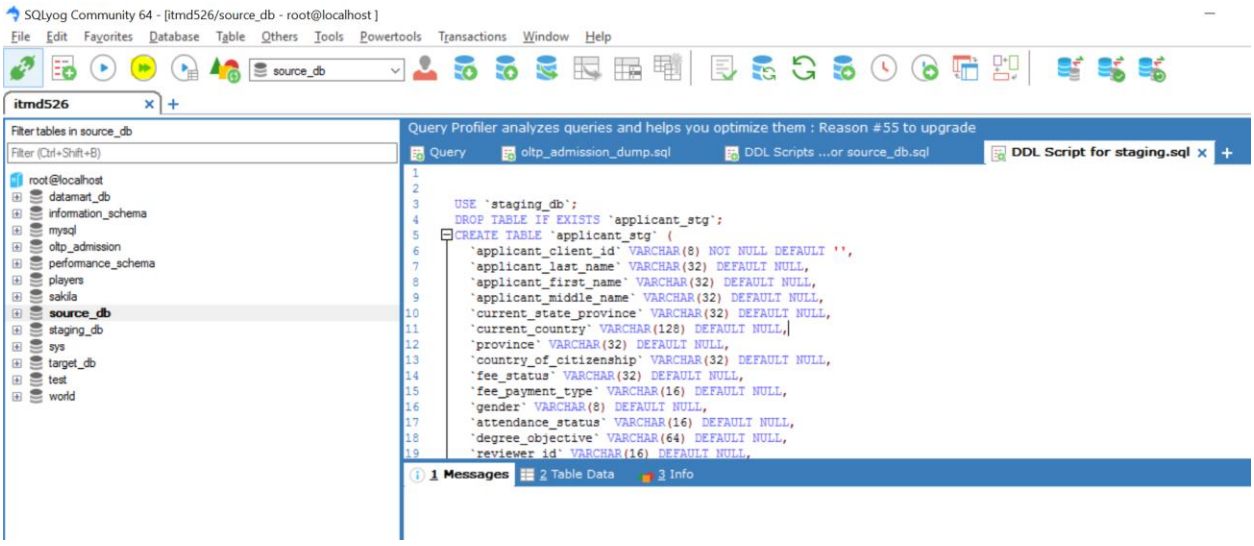

Open File
« Final › graduate-application...
Search graduate-applications...
Organize
New folder
This PC
Desktop
Documents
Downloads
Music
Pictures
Videos
Windows8_OS (
LENOVO (D:)
New Volume (E:)
New Volume (F:)
Network
Name
Date modified
00-source
4/22/2017 9:47 PM
01-extract
4/18/2017 11:48 PM
02-transfer
4/21/2017 12:36 AM
03-load-dim
4/24/2017 11:21 AM
04-load-fact
4/22/2017 12:14 AM
DDL Script for datamart
4/24/2017 12:04 PM
DDL Script for staging
4/24/2017 11:31 AM
DDL Scripts for source_db
4/22/2017 9:15 PM
oltp_admission_dump
4/26/2017 12:19 AM
File name: DDL Scripts for source_db
SQL Files(*.sql)
Open
Cancel

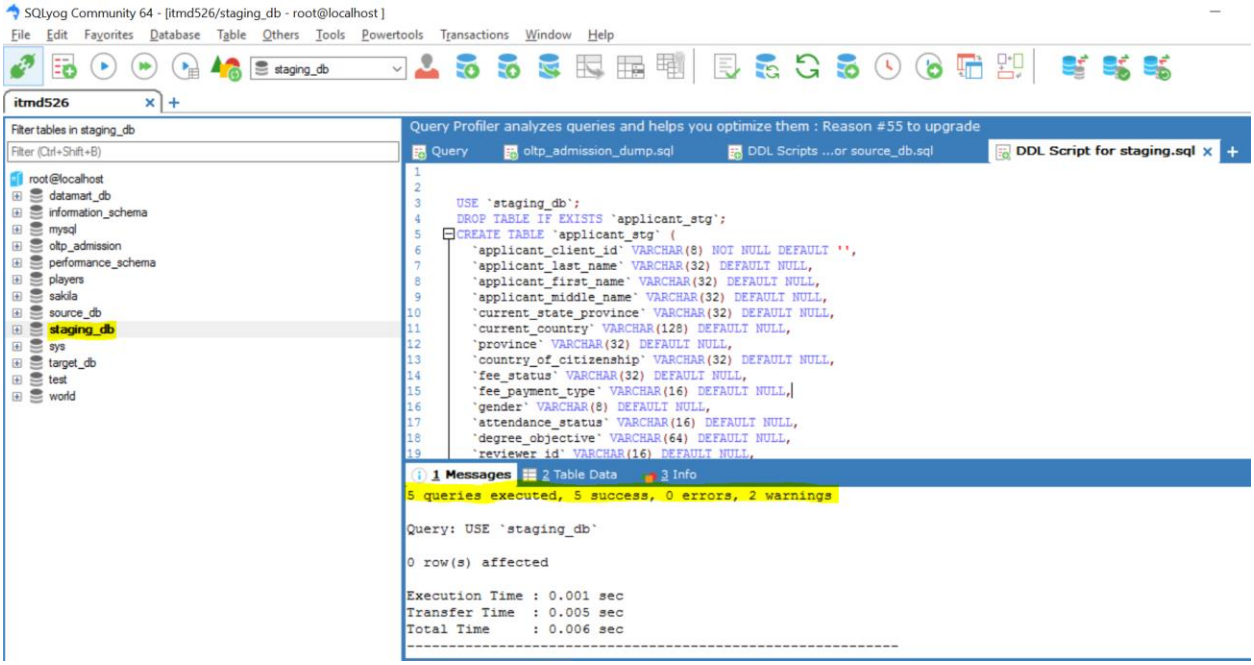

SQLyog Community 64 - [itmd526 - root@localhost]
File Edit Favorites Database Table Others Tools Powertools Transactions Window Help
oltp_admission
itmd526
Filter Databases
Filter (Ctrl+Shift+B)
root@localhost
datamart_db
information_schema
mysql
oltp_admission
performance_schema
players
sakila
source_db
staging_db
sys
target_db
test
world
Schema Sync tool brings two or more schemas in complete sync : Reason #26 to upgrade
Query
oltp_admission_dump.sql
DDL Scripts ...or source_db.sql
USE `source_db`;
/*Table structure for table `adm_decision` */
DROP TABLE IF EXISTS `adm_decision`;
CREATE TABLE `adm_decision` (
`applicant_client_id` VARCHAR(8) NOT NULL DEFAULT '',
`admission_decision` VARCHAR(12) DEFAULT NULL,
`term_code_admitted_to` VARCHAR(4) DEFAULT NULL,
PRIMARY KEY (`applicant_client_id`),
KEY `FK_adm_decision_term` (`term_code_admitted_to`)
) ENGINE=INNODB DEFAULT CHARSET=utf8;
/*Data for the table `adm_decision` */
1 Messages
2 Table Data
3 Info



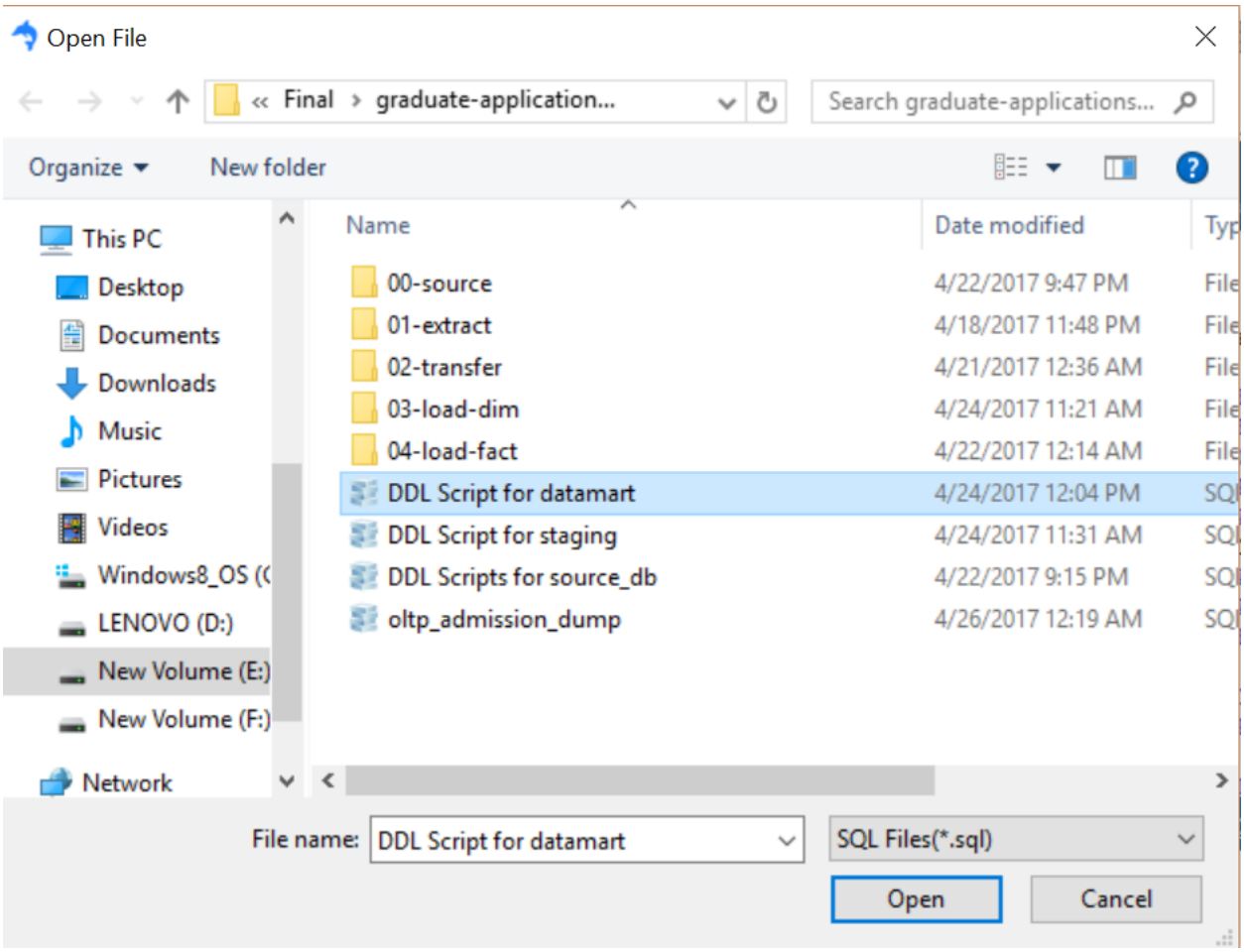
- Execute DDL script for staging db

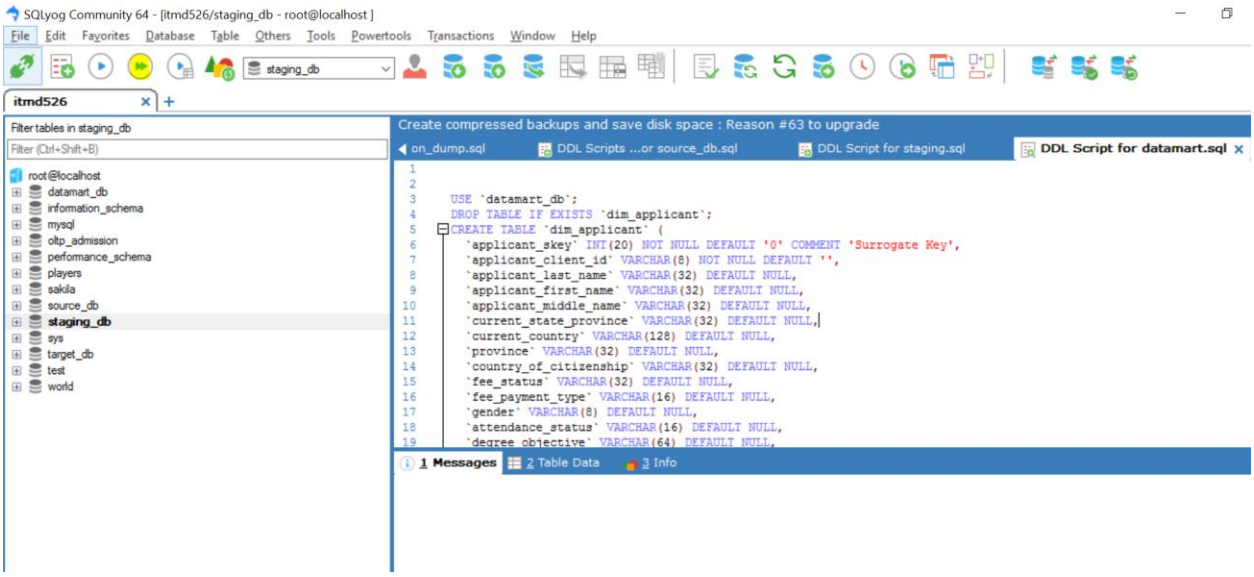

Open File
« Final › graduate-application...
Search graduate-applications...
Organize
New folder
This PC
Desktop
Documents
Downloads
Music
Pictures
Videos
Windows8_OS (
LENOVO (D:)
New Volume (E:)
New Volume (F:)
Network
Name
Date modified
Typ
00-source
4/22/2017 9:47 PM
01-extract
4/18/2017 11:48 PM
02-transfer
4/21/2017 12:36 AM
03-load-dim
4/24/2017 11:21 AM
04-load-fact
4/22/2017 12:14 AM
DDL Script for datamart
4/24/2017 12:04 PM
DDL Script for staging
4/24/2017 11:31 AM
DDL Scripts for source_db
4/22/2017 9:15 PM
oltp_admission_dump
4/26/2017 12:19 AM
File name: DDL Script for staging
SQL Files(*.sql)
Open
Cancel

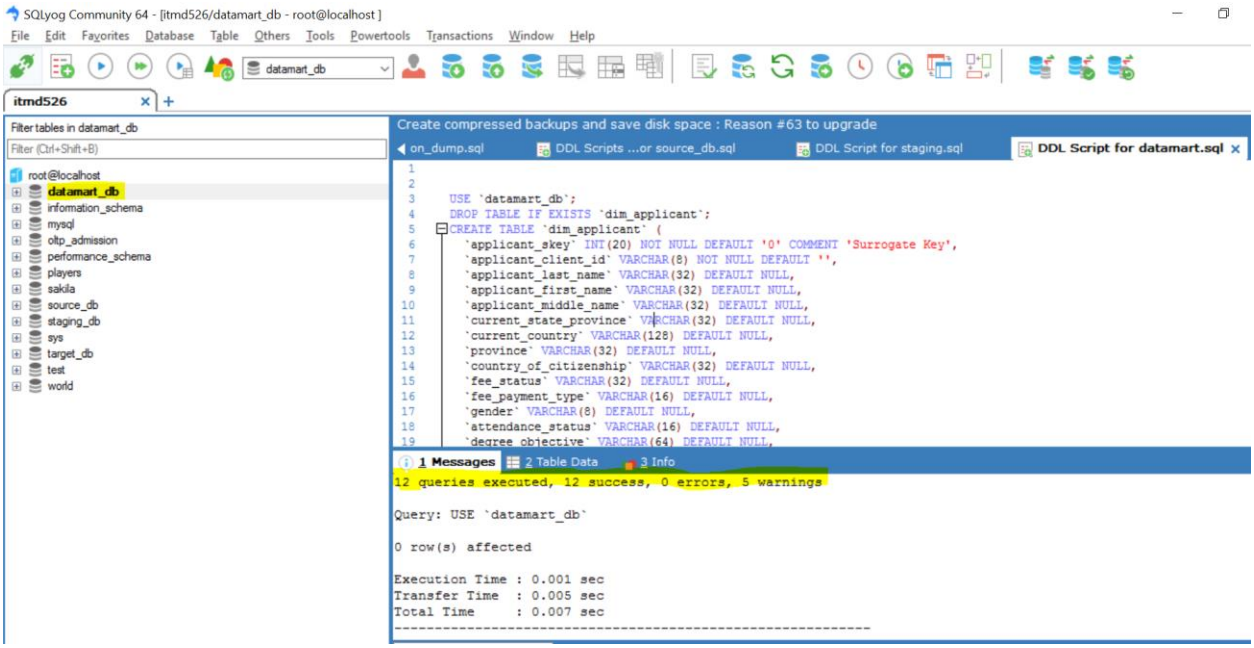

SQLyog Community 64 - [itmd526/source_db - root@localhost]
File Edit Favorites Database Table Others Tools Powertools Transactions Window Help
source_db
itmd526
Filter tables in source_db
Filter (Ctrl+Shift+B)
root@localhost
datamart_db
information_schema
mysql
oltp_admission
performance_schema
players
sakila
source_db
staging_db
sys
target_db
test
world
Query Profiler analyzes queries and helps you optimize them : Reason #55 to upgrade
Query
oltp_admission_dump.sql
DDL Scripts ...or source_db.sql
DDL Script for staging.sql
USE `staging_db`;
DROP TABLE IF EXISTS `applicant_stg`;
CREATE TABLE `applicant_stg` (
`applicant_client_id` VARCHAR(8) NOT NULL DEFAULT '',
`applicant_last_name` VARCHAR(32) DEFAULT NULL,
`applicant_first_name` VARCHAR(32) DEFAULT NULL,
`applicant_middle_name` VARCHAR(32) DEFAULT NULL,
`current_state_province` VARCHAR(32) DEFAULT NULL,
`current_country` VARCHAR(128) DEFAULT NULL,
`province` VARCHAR(32) DEFAULT NULL,
`country_of_citizenship` VARCHAR(32) DEFAULT NULL,
`fee_status` VARCHAR(32) DEFAULT NULL,
`fee_payment_type` VARCHAR(16) DEFAULT NULL,
`gender` VARCHAR(8) DEFAULT NULL,
`attendance_status` VARCHAR(16) DEFAULT NULL,
`degree_objective` VARCHAR(64) DEFAULT NULL,
`reviewer_id` VARCHAR(16) DEFAULT NULL,
1 Messages
2 Table Data
3 Info



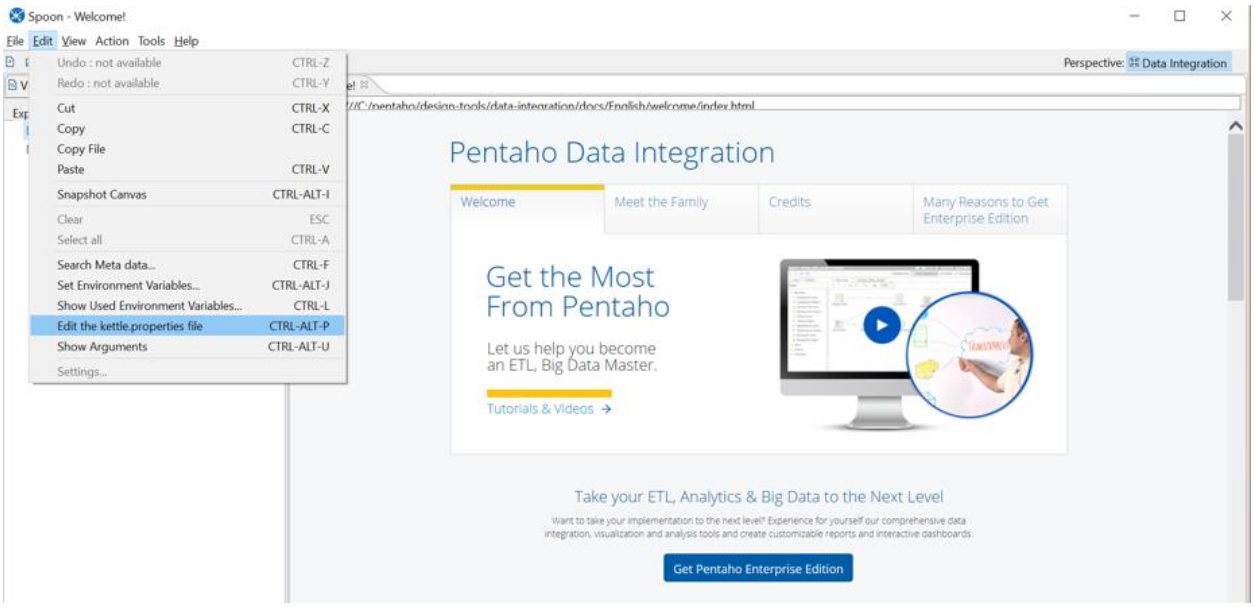
- Execute DDL script for datamart db



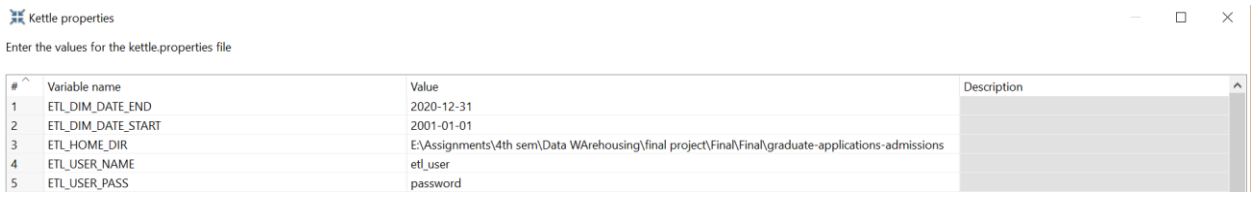




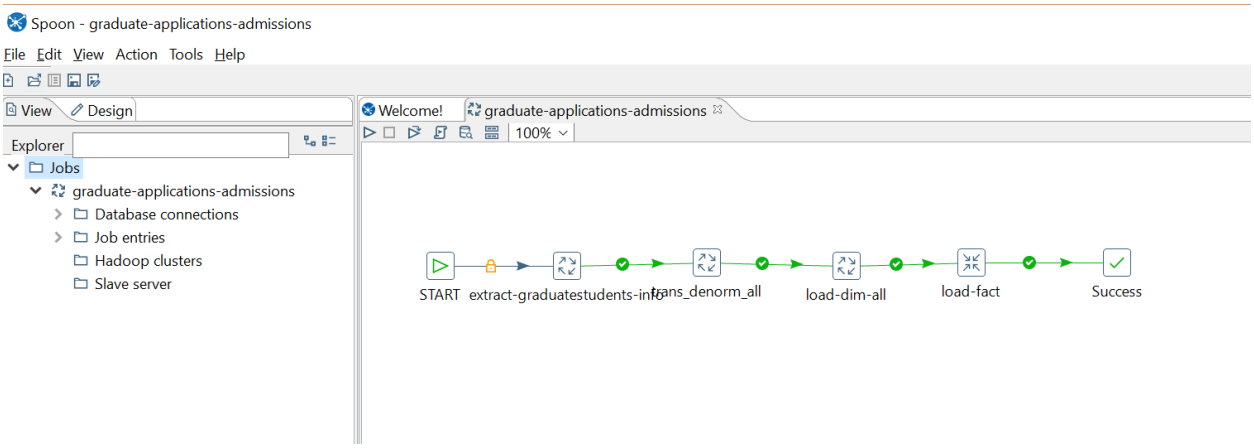
5. Open Spoon.bat to launch pentaho tool and go to kettle.properties in edit.



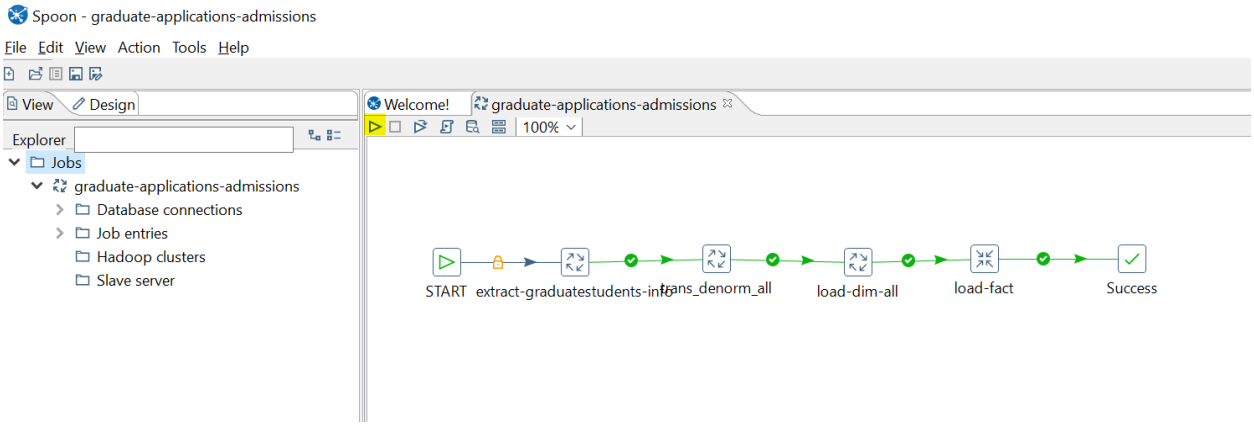
6. Set the environment variables as below. Provide ETL_HOME_DIR to the local path of the extracted project folder. Click OK.



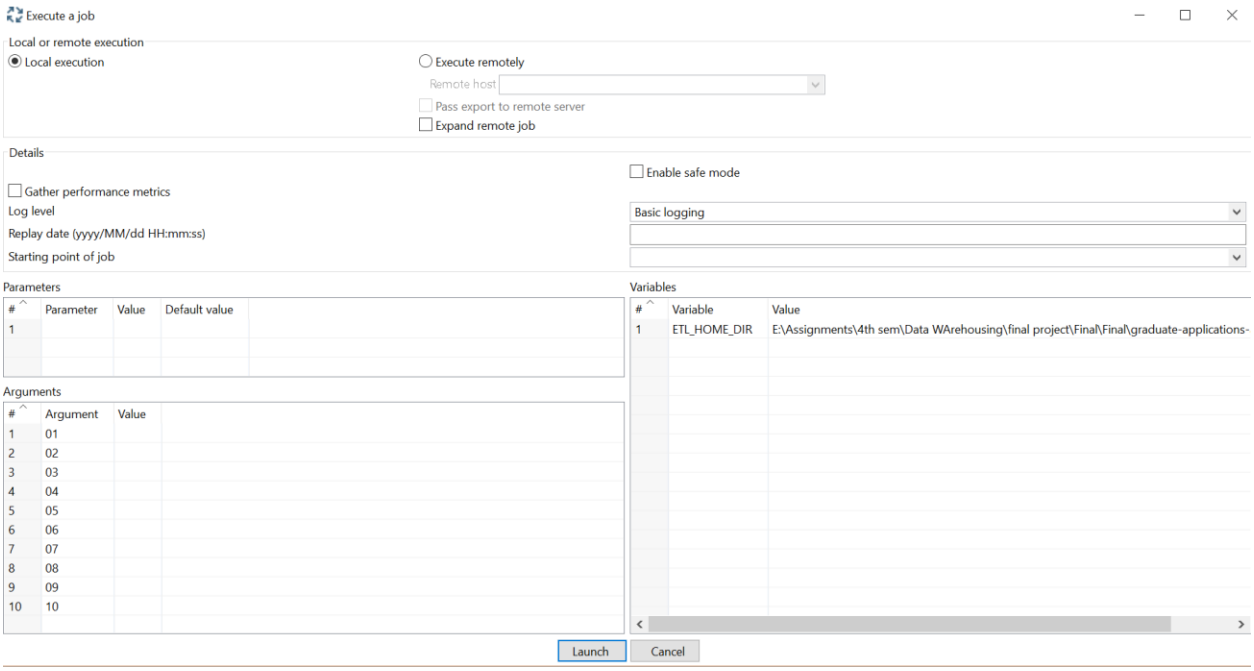
7. Go to file → open → Select graduate-applications-admissions.kjb present in the extracted project folder and click open.



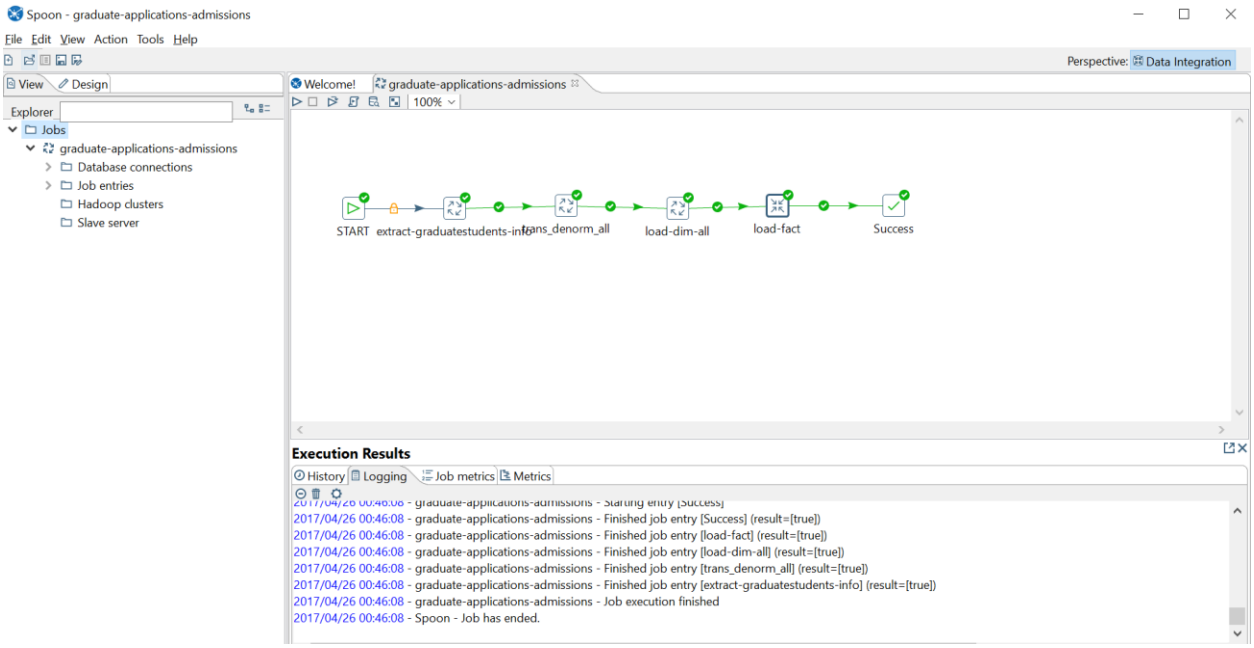
8. Execute the job by clicking the highlighted button shown below.



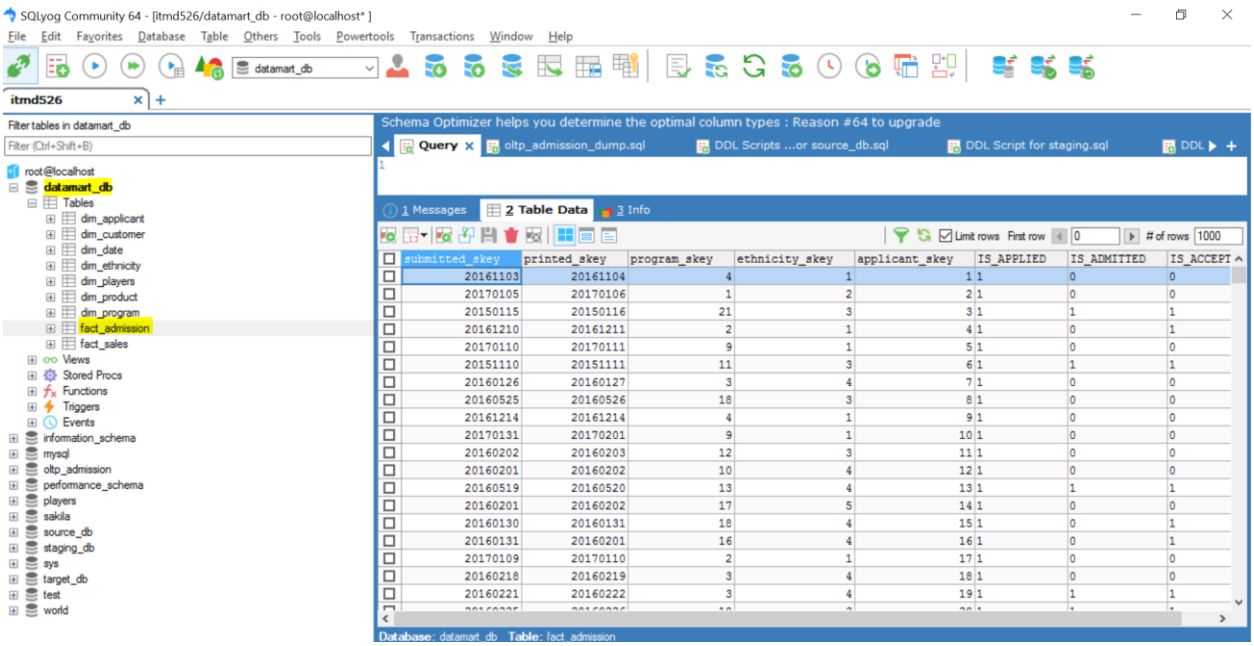
9. Click Launch.

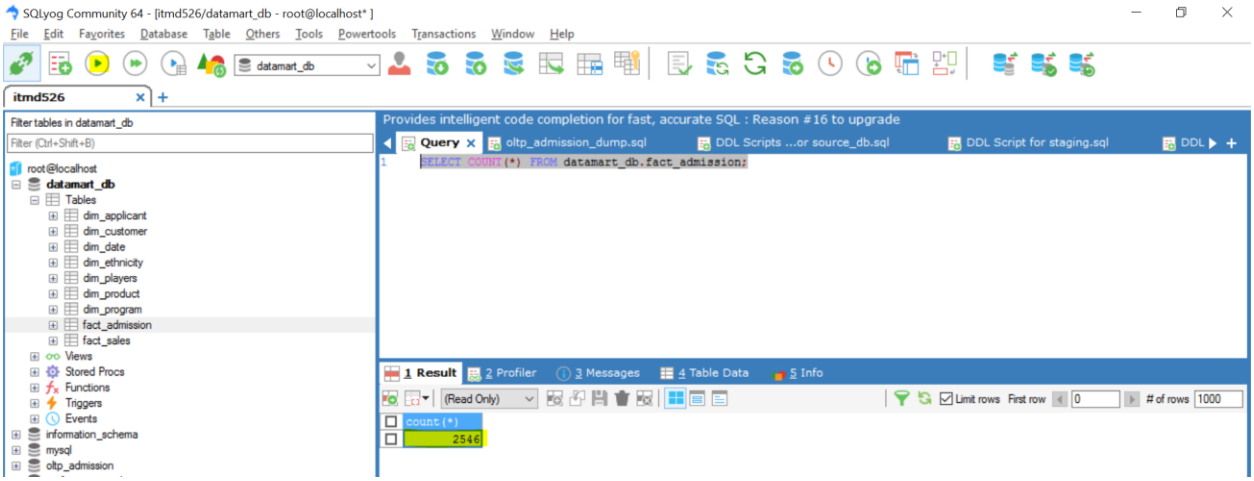


10. Successful execution of the job.



11. Verify entries in fact_admission table in SQLyog and count of number of rows.




SQLyog Community 64 - [itmd526/datamart_db - root@localhost*]
File Edit Favorites Database Table Others Tools Powertools Transactions Window Help
datamart_db
itmd526
Filter tables in datamart_db
Filter (Ctrl+Shift+B)
root@localhost
datamart_db
Tables
dim_applicant
dim_customer
dim_date
dim_ethnicity
dim_players
dim_product
dim_program
fact_admission
fact_sales
Views
Stored Procs
Functions
Triggers
Events
information_schema
mysql
oltp_admission
Provides intelligent code completion for fast, accurate SQL : Reason #16 to upgrade
Query
oltp_admission_dump.sql
DDL Scripts ...or source_db.sql
DDL Script for staging.sql
DDL
1 SELECT COUNT(*) FROM datamart_db.fact_admission;
1 Result
2 Profiler
3 Messages
4 Table Data
5 Info
(Read Only)
Limit rows
First row
0
# of rows
1000
count(*)
2546