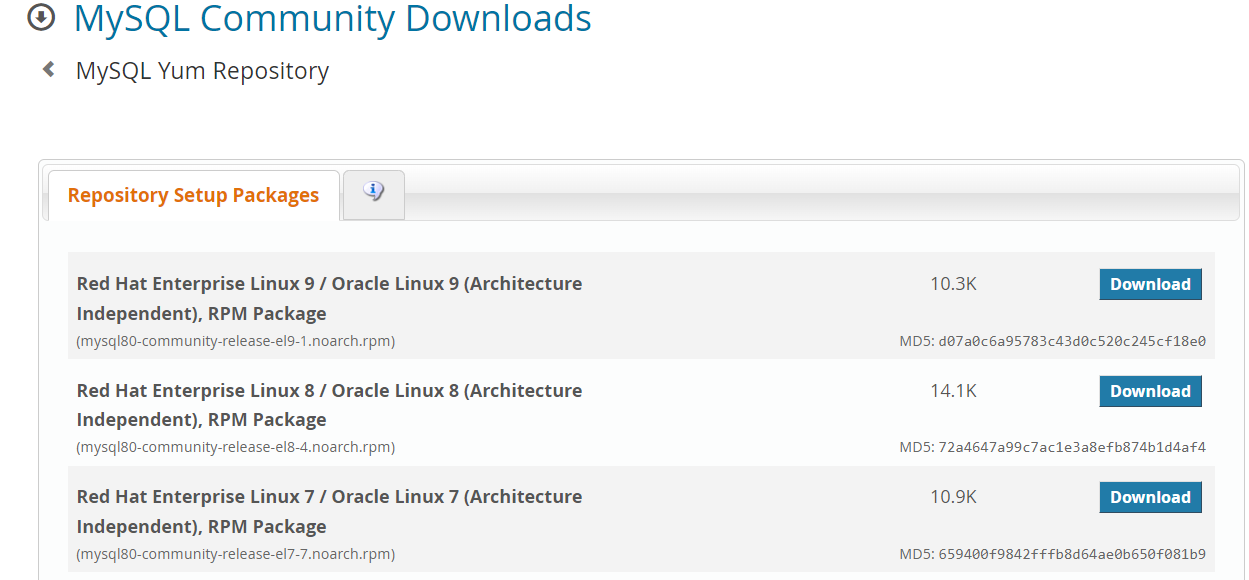
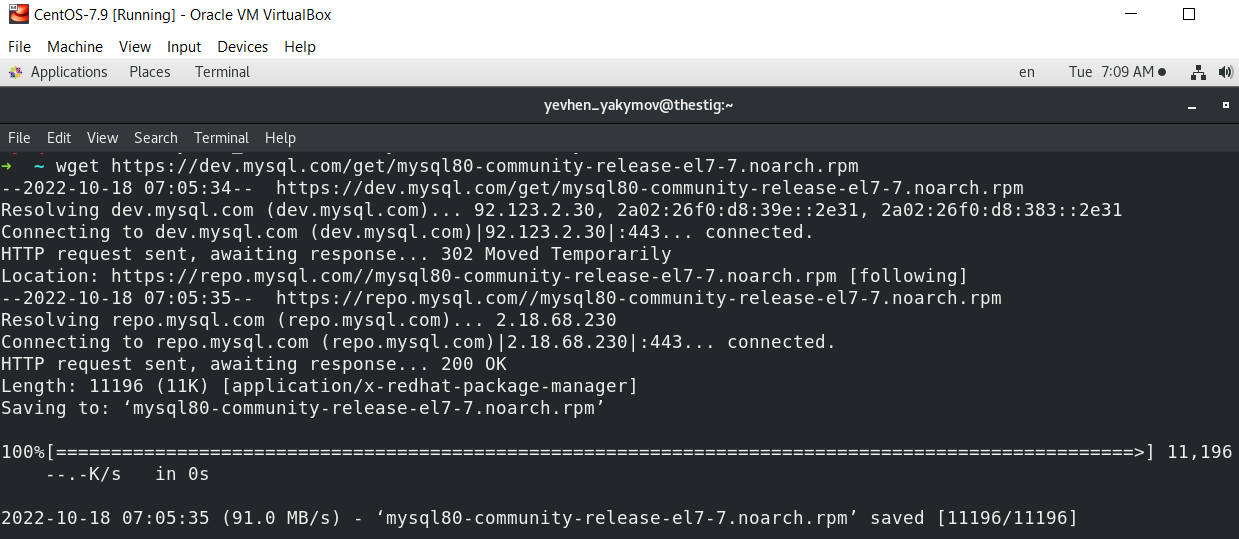
**DATABASE’S**

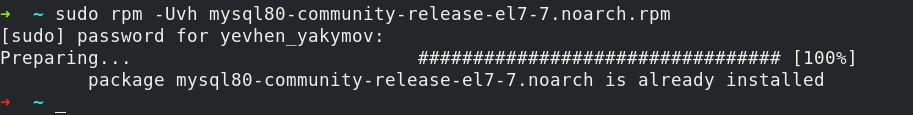
1. [PART\_1.](#Part_1)
2. [PART\_2 – DUMP, RDS.](#Part_2)
3. [PART\_3 – MongoDB.](#Part_3)

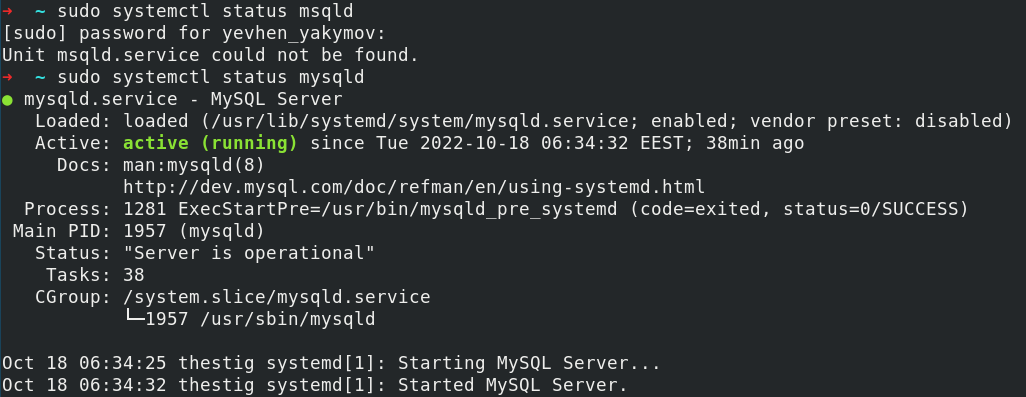
**PART 1**

1. Download MySQL server for your OS on VM(CentOS 7.9).

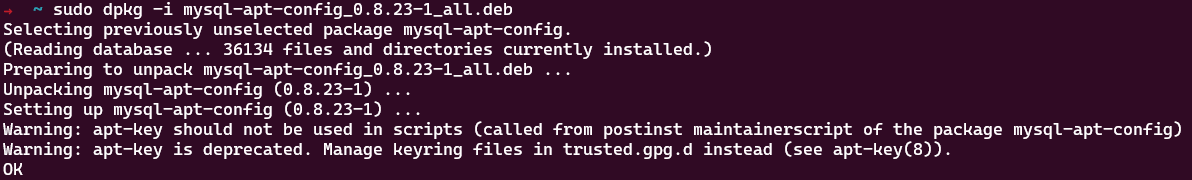


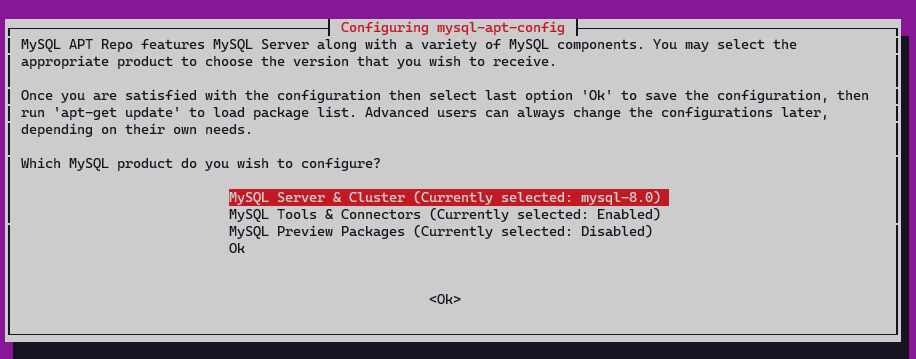


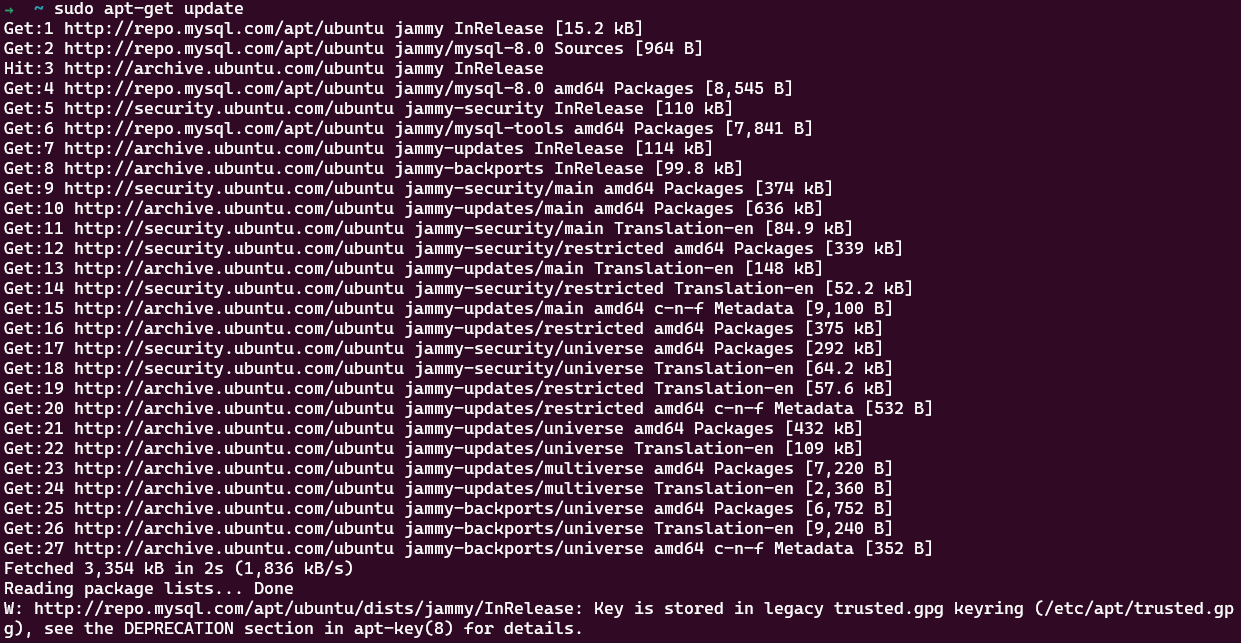


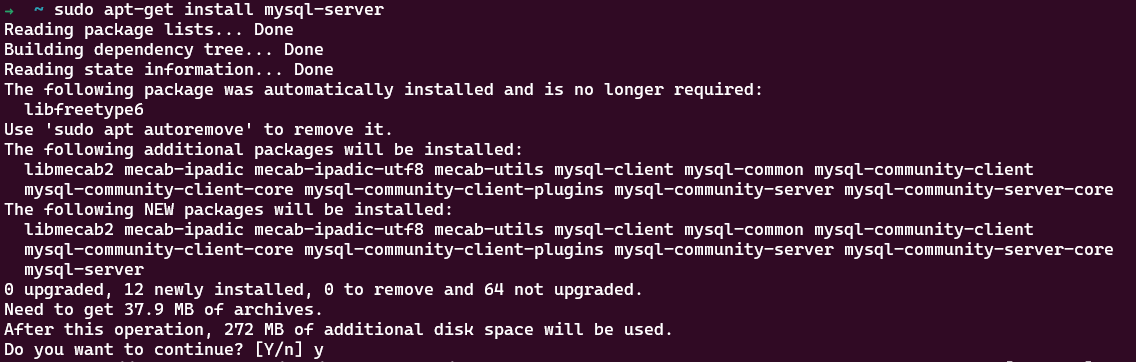


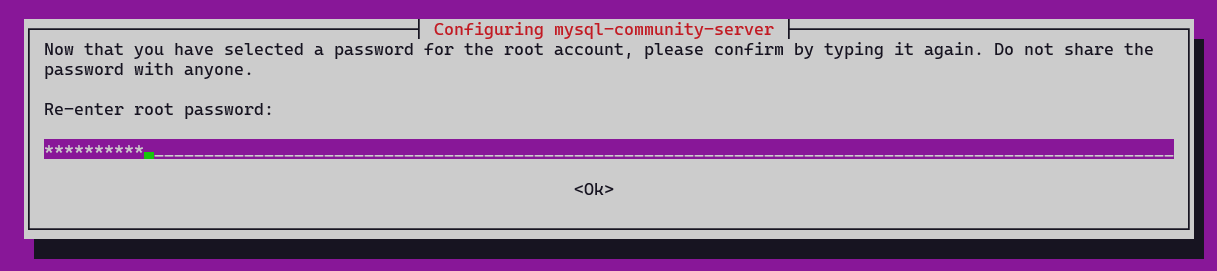
1. Install MySQL server on VM Ubuntu 22.04 (for exapmle, because I have MYSQL installed on my main VM CentOS 7.9) .



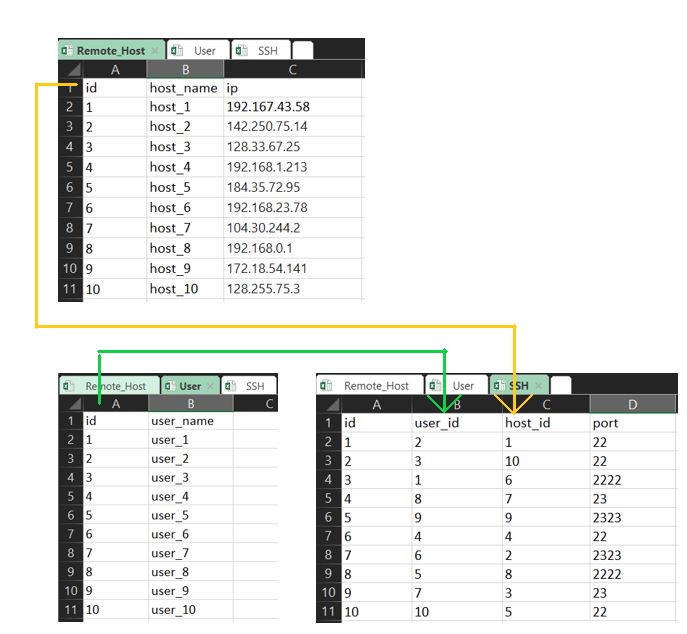




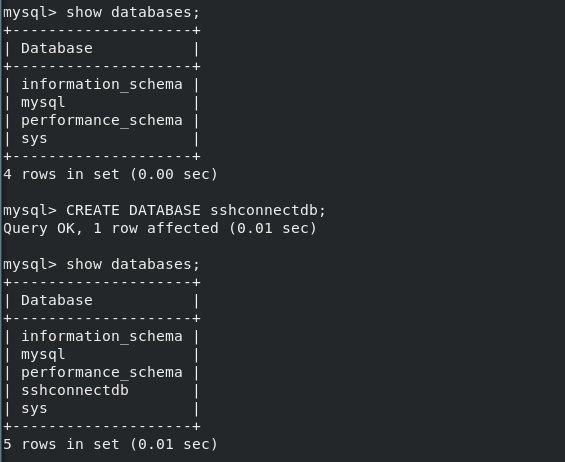


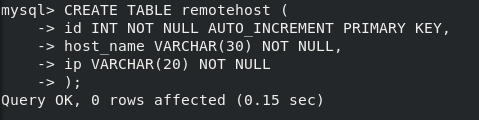


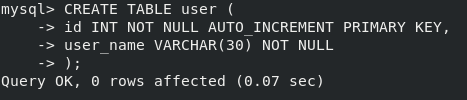
1. Select a subject area and describe the database schema, (minimum 3 tables)

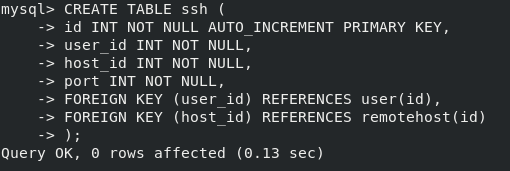
**\* The database schema is fictional and not tied to any real case**

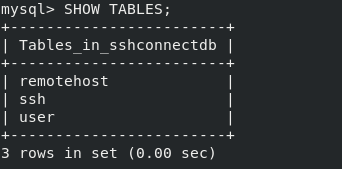
1. Create a database on the server through the console



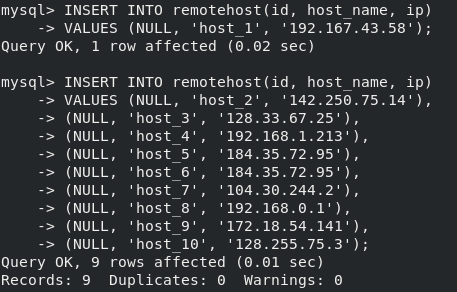


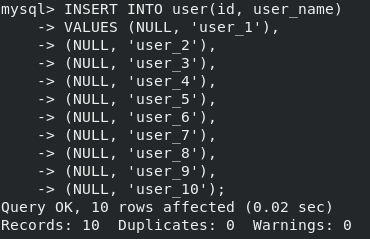


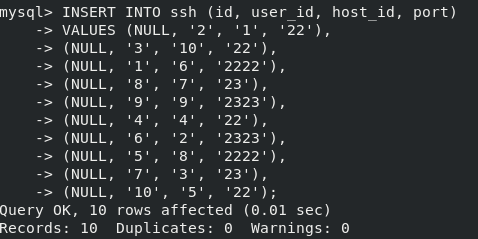


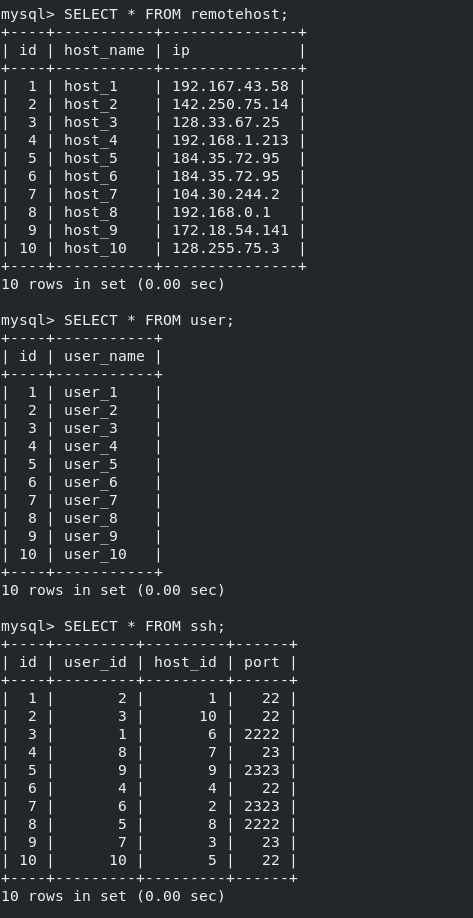


1. Fill in tables.

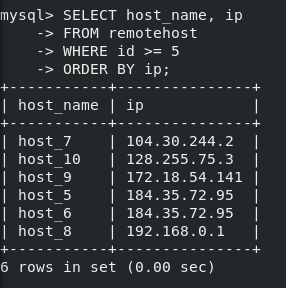
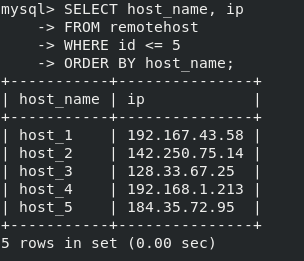


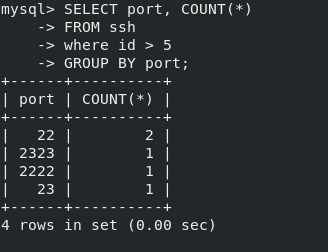
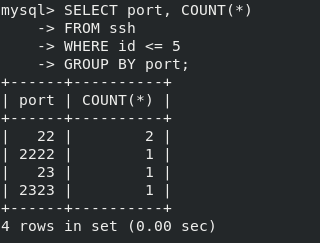


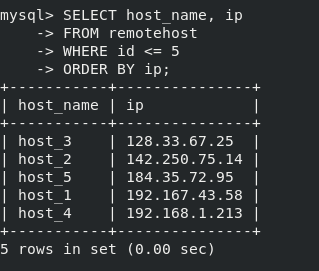




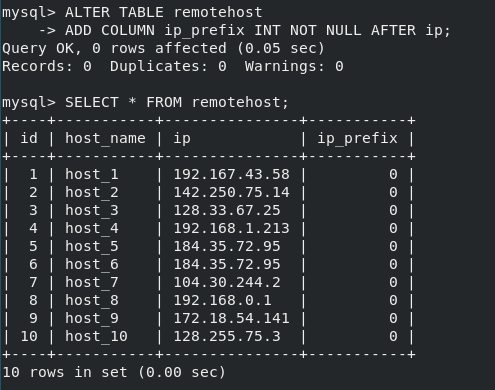
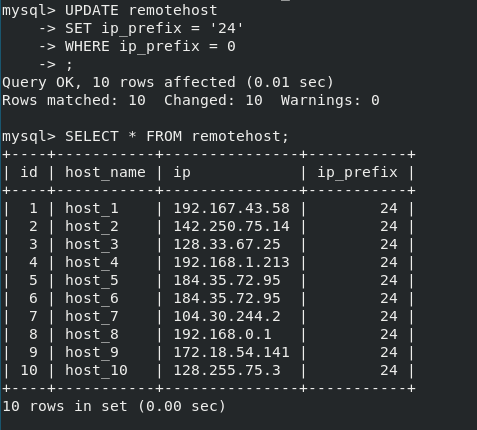
1. Construct and execute SELECT operator with WHERE, GROUP BY and ORDER BY.

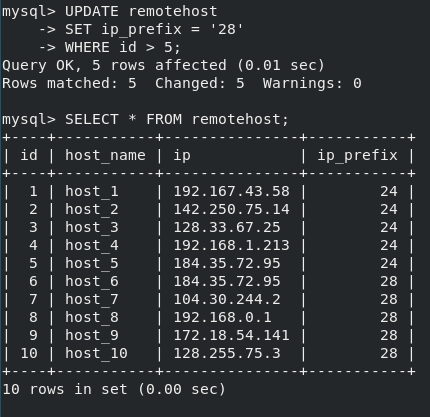
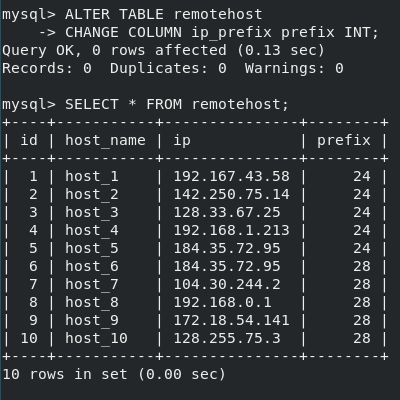
 

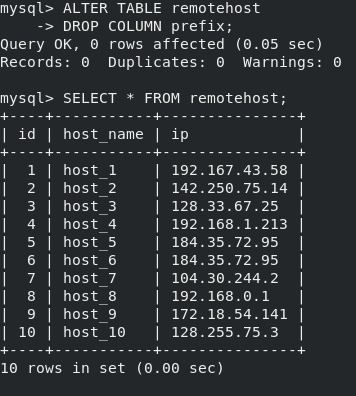
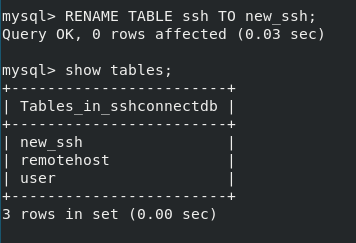
 



1. Execute other different SQL queries DDL, DML, DCL.

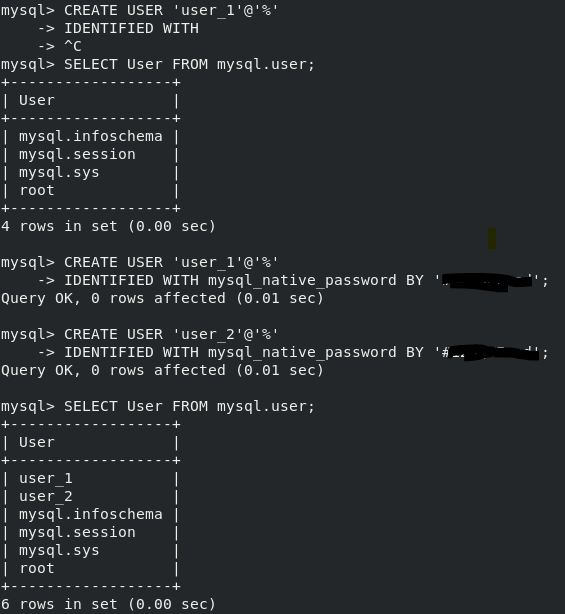
 

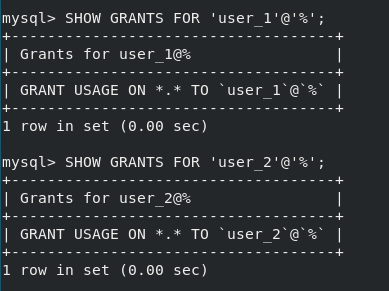
 

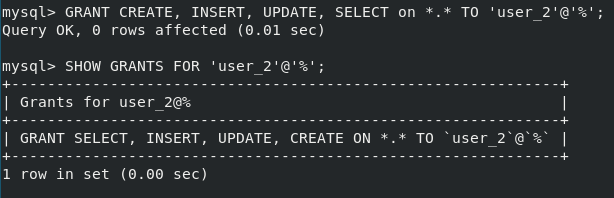
1. Create a database of new users with different privileges. Connect to the

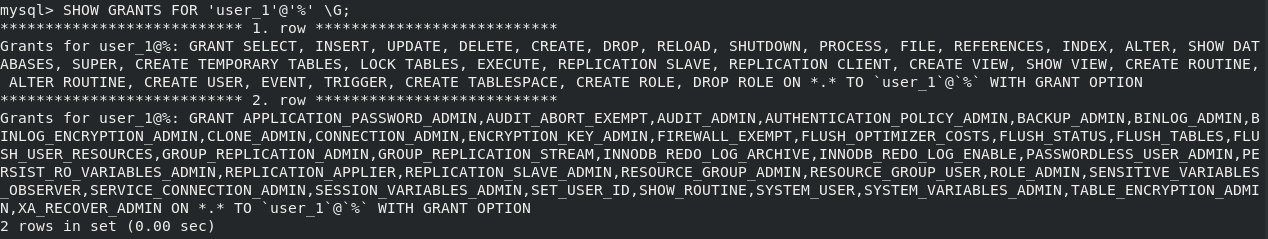
database as a new user and verify that the privileges allow or deny certain

actions

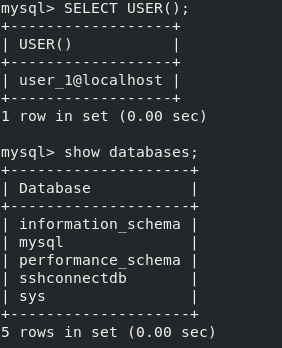
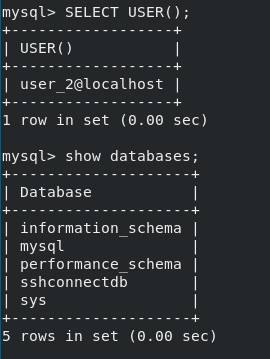


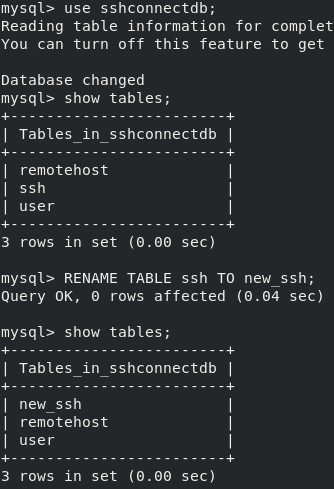
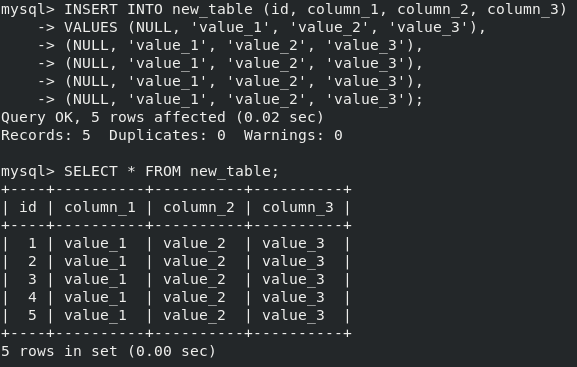
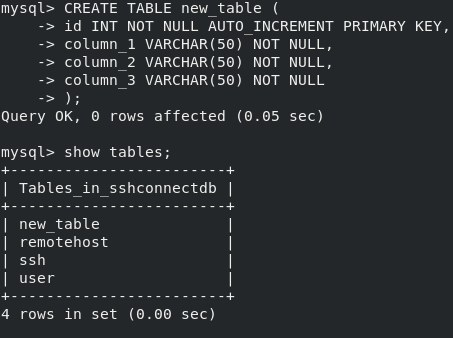


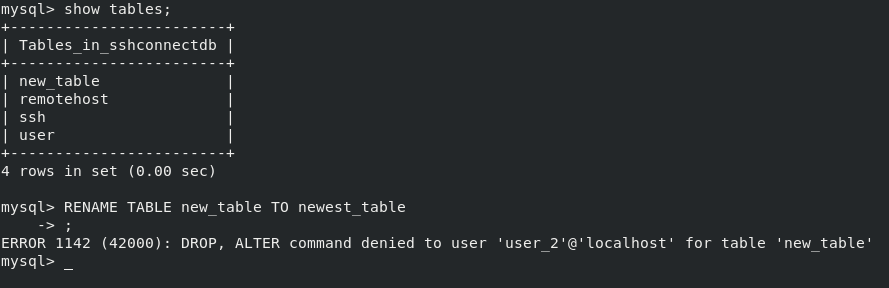




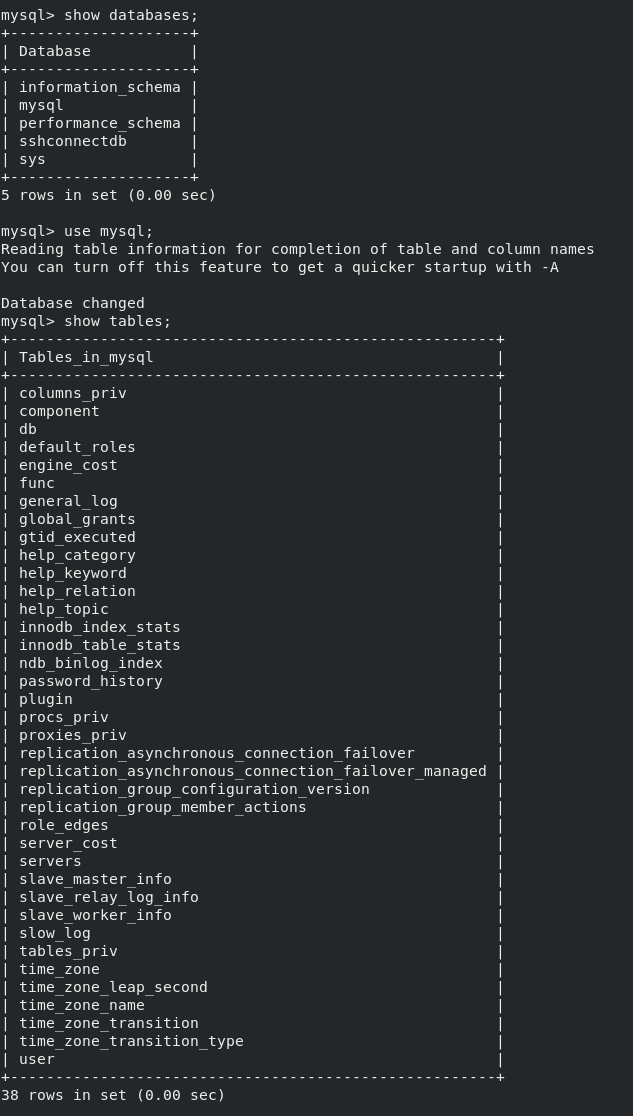
**user\_1 user\_2**

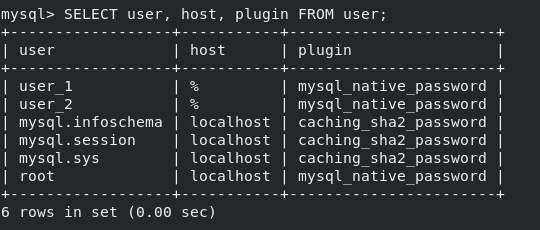
 



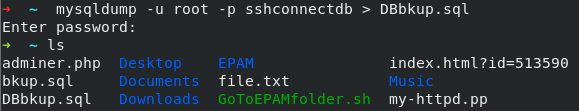
1. Make a selection from the main table DB MySQL.



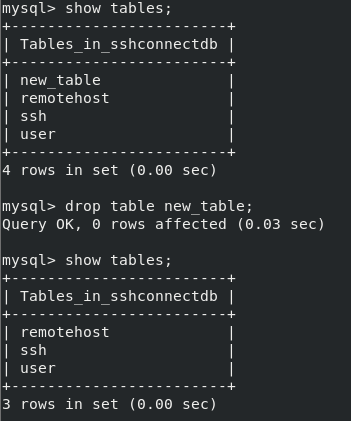


**PART 2 - DUMP, RDS**

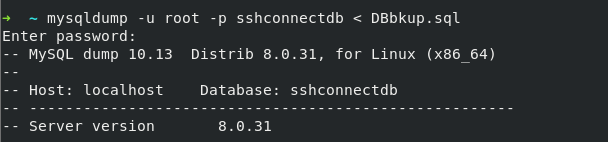
1. Make backup of your database.

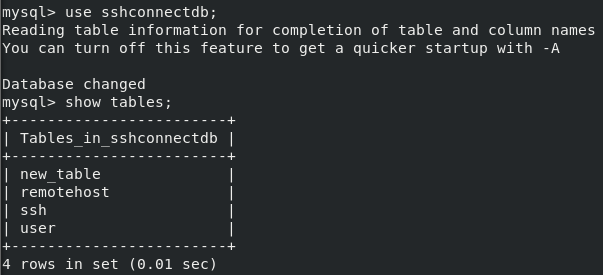


1. Delete the table or part of the data in the table.

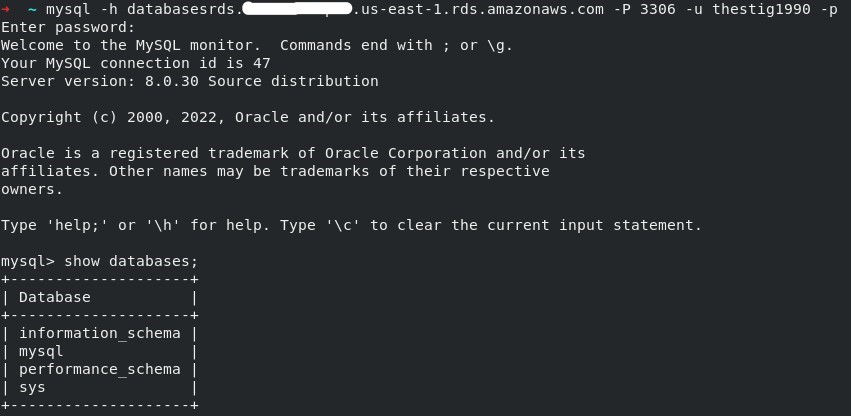


1. Restore your database.



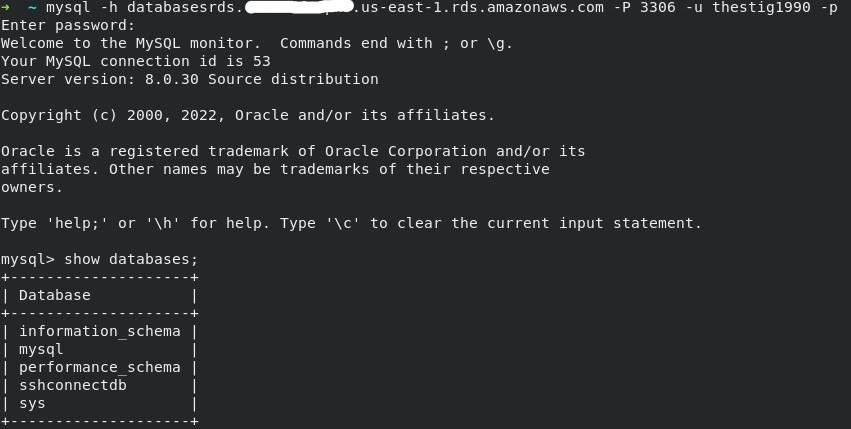


1. Transfer your local database to RDS AWS.

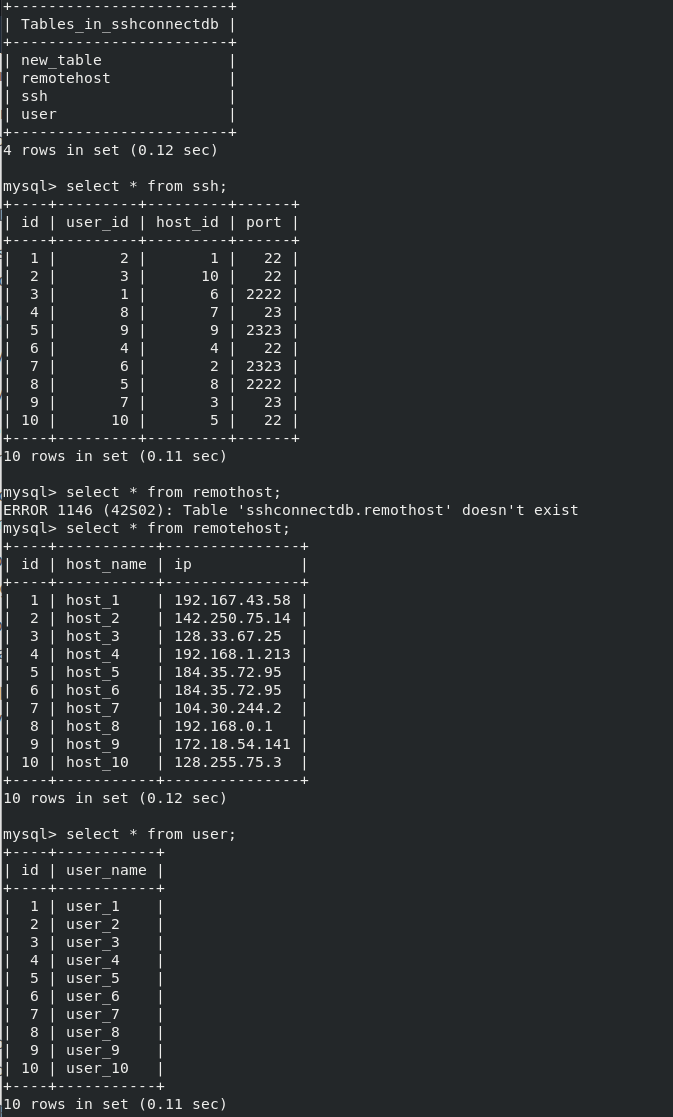




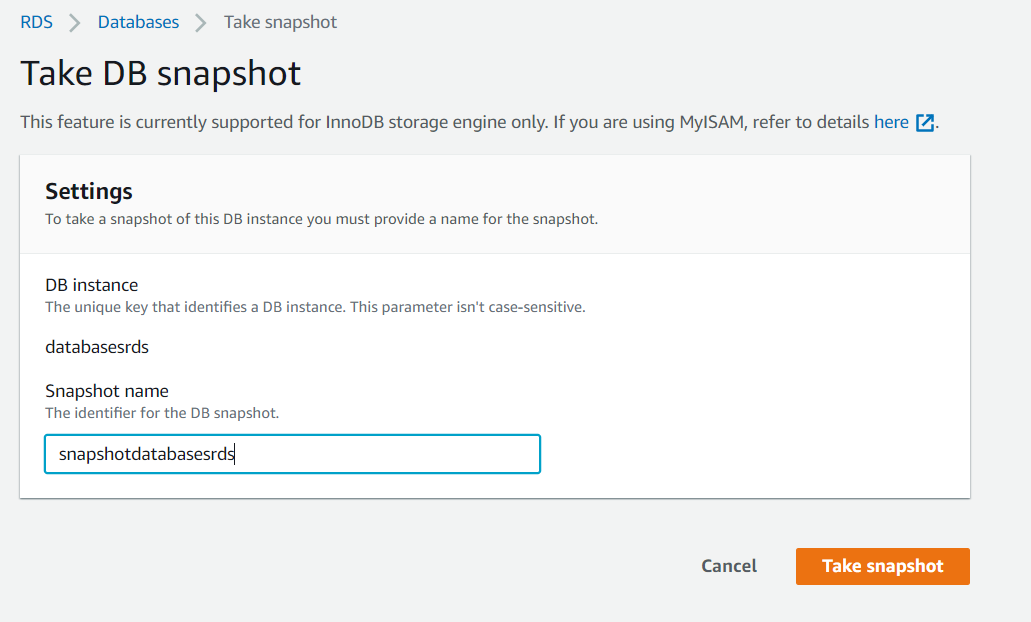
1. Connect to your database.

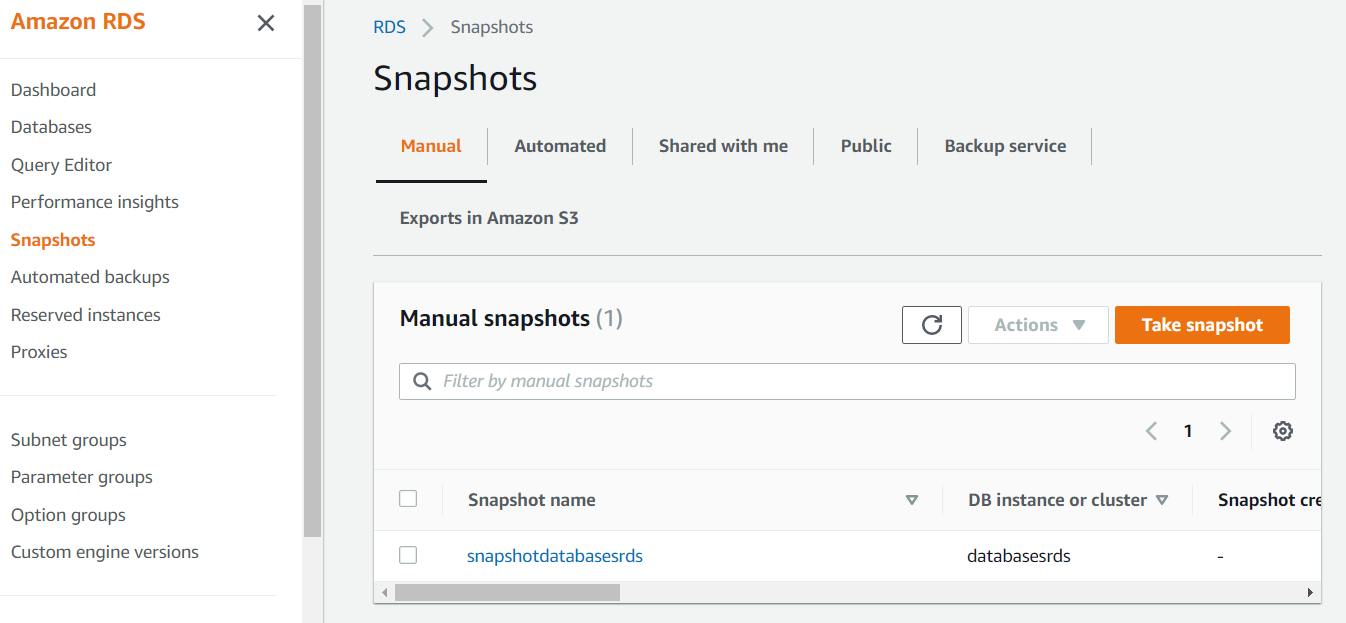


1. Execute SELECT operator similar step 6



1. Create the dump of your database.

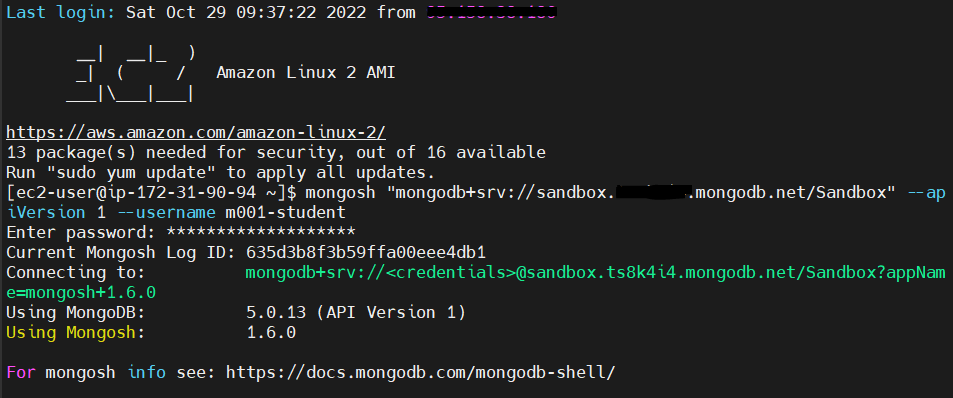




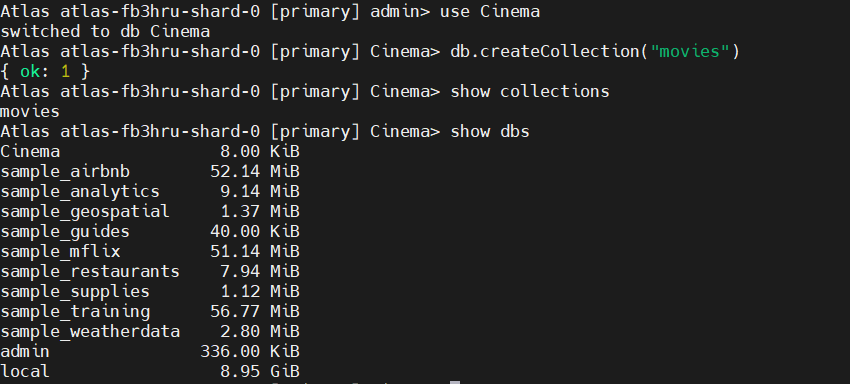
**PART 3 – MongoDB**

1. Create a database. Use the use command to connect to a new database (If it

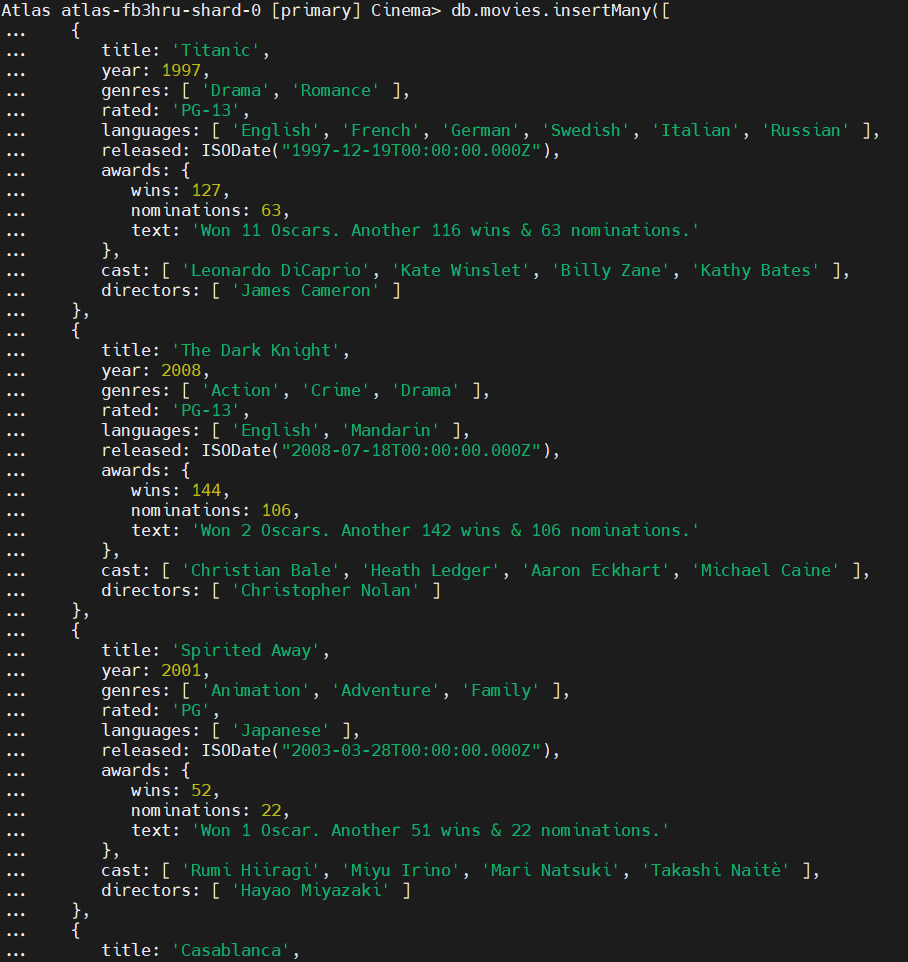
doesn't exist, Mongo will create it when you write to it).

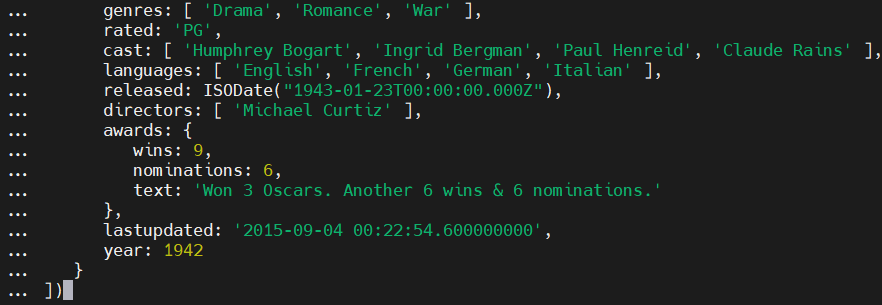


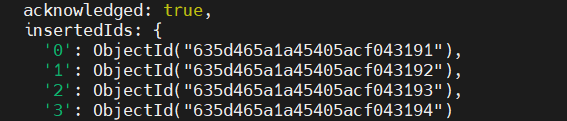
1. Create a collection. Use db.createCollection to create a collection. I'll leave the subject up to you. Run show dbs and show collections to view your database and collections.



1. Create some documents. Insert a couple of documents into your collection. I'll leave the subject matter up to you, perhaps cars or hats.







1. Use find() to list documents out

