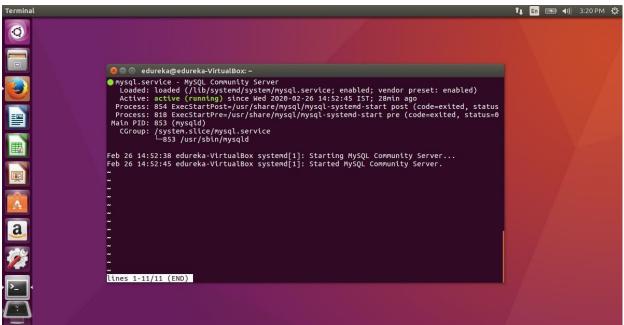
NAME-TUSHAR RAJ VERMA

 Follow Edureka VM Installation Guide & setup VM machine having MySQL installed.

Check connection to MySQL.

Configure MySQL to bind to Ip address of the host and connect to MySQL bound to host ip address (Instead of localhost).

Answer: Edureka VM Installation setup successfully done.

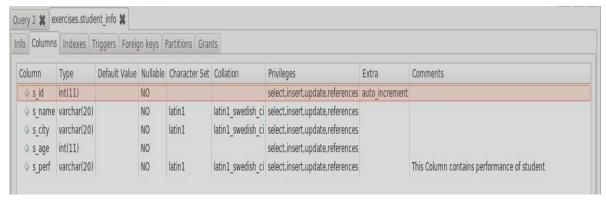


2) Create Database, create table with [a column supporting autoincrement, acolumnforprimarykey,allothercolumnsnotallowingNULLvaluesanda column with a comment abouttable].

Grant access to this database to a specific Linux user identified by password and from a specific host.

Answer:

```
mysql> CREATE DATABASE exercises;
Query OK, 1 row affected (0.00 sec)
mysql> USE exercises;
Database changed
mysql> CREATE TABLE student_info(
-> s_id INT PRIMARY KEY AUTO_INCREMENT,
-> s_name VARCHAR(20) NOT NULL,
-> s_city VARCHAR(20) NOT NULL,
-> s_age INT NOT NULL,
-> s_aperf VARCHAR(20) NOT NULL COMMENT 'This Column contains performance of student'
Query OK, 0 rows affected (0.02 sec)
mysql> DESC student_info;
| Field | Type
                                     | Null | Key | Default | Extra
  s_id | int(11) | NO
s_name | varchar(20) | NO
s_city | varchar(20) | NO
s_age | int(11) | NO
s_perf | varchar(20) | NO
                                                 | PRI | NULL
                                                                           | auto_increment
                                                             NULL
                                                             NULL
                                                             NULL
                                                          I NULL
5 rows in set (0.00 sec)
```



```
mysql> GRANT ALL PRIVILEGES ON exercises TO 'Edureka'@'%' IDENTIFIED BY 'edureka';
Query OK, 0 rows affected, 1 warning (0.04 sec)

mysql> SHOW GRANTS FOR 'Edureka';

Grants for Edureka@%

GRANT USAGE ON *.* TO 'Edureka'@'%'

GRANT ALL PRIVILEGES ON `exercises`.`exercises` TO 'Edureka'@'%' |

Tows in set (0.00 sec)

mysql>
```

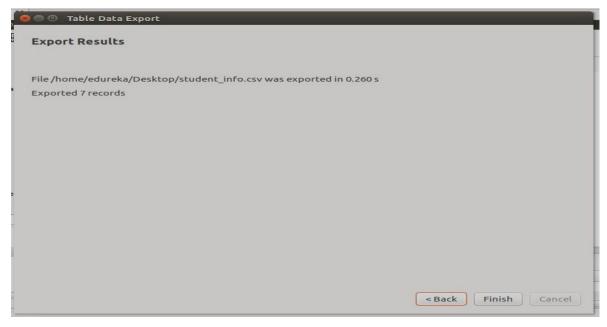
3) Setup MySQL Workbench and demonstrate usage of workbench to lookat any2-3 performancemetrics

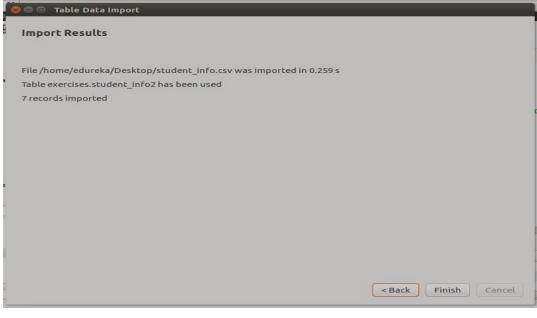
Answer:

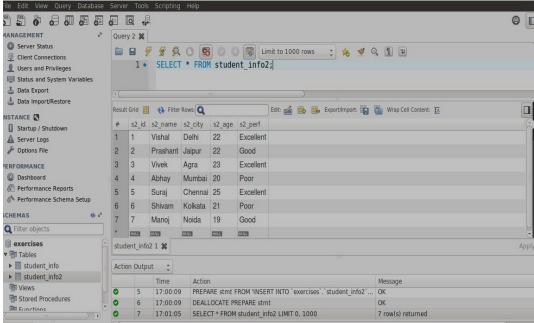


4) Export data from a table into csv file and use this file to load data into anew tablecreated with same structure as table used for exporting data.

Answer:







5) Demonstrate usage of 2 string functions and 2 Aggregate functions while querying data from a table.

Answer:

String Functions

```
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> use exercises;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> select REVERSE(s_name) from student_info;

REVERSE(s_name)

Lahsiv
tahsarP
keviv
yahbA
jarus
mavihS
jonaM

7 rows in set (0.03 sec)
mysql> select CONCAT('HELLO',s_name)
HELLOVishal
HELLOViskal
HELLOVivek
HELLOShivam
HELLOShivam
HELLOShivam
HELLOShivam
HELLOShivam
HELLOShivam
HELLOManoj

7 rows in set (0.00 sec)
mysql>
```

Aggregate Functions