

**TO  
THE  
NEW™**



## **Assessment -6**

### **MongoDB & MySQL**

Trainee Name : Arun Parmar

Mentor Name : Ravi Kumar

College: UPES

### 1. Install latest version of MongoDB from apt-get repository.

```
Unknown operation mongod.
arun@Arun-Parmar:~$ sudo systemctl status mongod
● mongod.service - An object/document-oriented database
   Loaded: loaded (/lib/systemd/system/mongod.service; enabled; vendor preset:
   Active: active (running) since Fri 2020-02-21 11:57:13 IST; 56s ago
     Docs: man:mongod(1)
    Main PID: 21493 (mongod)
      Tasks: 23 (limit: 4915)
    CGroup: /system.slice/mongod.service
            └─21493 /usr/bin/mongod --unixSocketPrefix=/run/mongod --config /etc

Feb 21 11:57:13 Arun-Parmar systemd[1]: Started An object/document-oriented data

arun@Arun-Parmar:~$ mongo
MongoDB shell version v3.6.3
connecting to: mongod://127.0.0.1:27017
MongoDB server version: 3.6.3
Welcome to the MongoDB shell.
For interactive help, type "help".
For more comprehensive documentation, see
    http://docs.mongodb.org/
Questions? Try the support group
    http://groups.google.com/group/mongodb-users
```

### 2. Create a database student.

```
>
>
> use student
switched to db student
> db
student
> show dbs
admin    0.000GB
config  0.000GB
local    0.000GB
> █
```

### 3. Insert operation : 5 students data (Name, Contact, City, Roll No, Branch)

```
...
> db.stu_details.insert([
  {Name: 'Son', ContactNo: 9872327666, City: 'Agra', RollNo: 46, Branch: 'CS'},
  {Name: 'Aman', ContactNo: 9872327262, City: 'Jaipur', RollNo: 47, Branch: 'CS'},
  {Name: 'Akash', ContactNo: 9637327666, City: 'Delhi', RollNo: 52, Branch: 'CS'},
  {Name: 'Rahul', ContactNo: 9989327666, City: 'Panaji', RollNo: 97, Branch: 'CS'}
]);
BulkWriteResult({
  "writeErrors" : [ ],
  "writeConcernErrors" : [ ],
  "nInserted" : 4,
  "nUpserted" : 0,
  "nMatched" : 0,
  "nModified" : 0,
  "nRemoved" : 0,
  "upserted" : [ ]
})
> db.stu_details.find().pretty()
{
  "_id" : ObjectId("5e52a124a3a111d370368dde"),
  "Name" : "Rohit",
  "ContactNo" : 9997888666,
  "City" : "Ajmer",
  "RollNo" : 46,
  "Branch" : "CS"
}
{
  "_id" : ObjectId("5e52a4bc6cc44e5767d711d2"),
  "Name" : "Son",
  "ContactNo" : 9872327666,
  "City" : "Agra",
  "RollNo" : 46,
  "Branch" : "CS"
}
{
  "_id" : ObjectId("5e52a4bc6cc44e5767d711d3"),
  "Name" : "Aman",
  "ContactNo" : 9872327262,
  "City" : "Jaipur",
  "RollNo" : 47,
  "Branch" : "CS"
}
{
  "_id" : ObjectId("5e52a4bc6cc44e5767d711d4"),
  "Name" : "Akash",
  "ContactNo" : 9637327666,
  "City" : "Delhi",
  "RollNo" : 52,
  "Branch" : "CS"
}
{
  "_id" : ObjectId("5e52a4bc6cc44e5767d711d5"),
  "Name" : "Rahul",
  "ContactNo" : 9989327666,
  "City" : "Panaji",
  "RollNo" : 97,
  "Branch" : "CS"
}
```

```
}}
> db.stu_details.find().pretty()
{
  "_id" : ObjectId("5e52a124a3a111d370368dde"),
  "Name" : "Rohit",
  "ContactNo" : 9997888666,
  "City" : "Ajmer",
  "RollNo" : 46,
  "Branch" : "CS"
}
{
  "_id" : ObjectId("5e52a4bc6cc44e5767d711d2"),
  "Name" : "Som",
  "ContactNo" : 9872327666,
  "City" : "Agra",
  "RollNo" : 46,
  "Branch" : "CS"
}
{
  "_id" : ObjectId("5e52a4bc6cc44e5767d711d3"),
  "Name" : "Aman",
  "ContactNo" : 9872327262,
  "City" : "Jaipur",
  "RollNo" : 47,
  "Branch" : "CS"
}
{
  "_id" : ObjectId("5e52a4bc6cc44e5767d711d4"),
  "Name" : "Akash",
  "ContactNo" : 9637327666,
  "City" : "Delhi",
  "RollNo" : 52,
  "Branch" : "CS"
}
{
  "_id" : ObjectId("5e52a4bc6cc44e5767d711d5"),
  "Name" : "Rahul",
}
```

#### 4. Read operation : All the students belong to a particular city

```
>
> db.stu_details.find({"City":"Mumbai"}).pretty()
;
> db.stu_details.find({"City":"Agra"}).pretty()
{
  "_id" : ObjectId("5e52a4bc6cc44e5767d711d2"),
  "Name" : "Som",
  "ContactNo" : 9872327666,
  "City" : "Agra",
  "RollNo" : 46,
  "Branch" : "CS"
}
>
```

#### 5. Update operation : Update the branch of all the students to CSE

```
...
> db.stu_details.updateMany({},{$set:{Branch:"CSE"}});
{ "acknowledged" : true, "matchedCount" : 5, "modifiedCount" : 5 }
> db.stu_details.find().pretty()
{
  "_id" : ObjectId("5e52a124a3a111d370368dde"),
  "Name" : "Rohit",
  "ContactNo" : 9997888666,
  "City" : "Ajmer",
  "RollNo" : 46,
  "Branch" : "CSE"
}
{
  "_id" : ObjectId("5e52a4bc6cc44e5767d711d2"),
  "Name" : "Som",
  "ContactNo" : 9872327666,
  "City" : "Agra",
  "RollNo" : 46,
  "Branch" : "CSE"
}
{
  "_id" : ObjectId("5e52a4bc6cc44e5767d711d3"),
  "Name" : "Aman",
  "ContactNo" : 9872327262,
  "City" : "Jaipur",
  "RollNo" : 47,
  "Branch" : "CSE"
}
{
  "_id" : ObjectId("5e52a4bc6cc44e5767d711d4"),
  "Name" : "Akash",
  "ContactNo" : 9637327666,
  "City" : "Delhi",
  "RollNo" : 52,
  "Branch" : "CSE"
}
```

## 6. Take dump of the database.

```
>
> exit
bye
arun@Arun-Parmar:~$ cd
arun@Arun-Parmar:~$ sudo mongodump --db student --out /home/arun/Documents/mongoBackup/'date +%m-%d-%y'
[sudo] password for arun:
2020-02-23T22:04:03.582+0530   writing student.stu_details to
2020-02-23T22:04:03.583+0530   done dumping student.stu_details (5 documents)
arun@Arun-Parmar:~$
```

## 7. Delete operation : Delete the record of last 2 students according to the roll number

```
> use student
switched to db student
> db.stu_details.find().sort({RollNo:-1}).limit(2);
{ "_id" : ObjectId("5e52a4bc6cc44e5767d711d5"), "Name" : "Rahul", "ContactNo" : 9989327666, "City" : "Panaji", "RollNo" : 97, "Branch" : "CSE" }
{ "_id" : ObjectId("5e52a4bc6cc44e5767d711d4"), "Name" : "Akash", "ContactNo" : 9637327666, "City" : "Delhi", "RollNo" : 52, "Branch" : "CSE" }
```

```
}
> db.stu_details.find().pretty()
{
  "_id" : ObjectId("5e52a124a3a111d370368dde"),
  "Name" : "Rohit",
  "ContactNo" : 9997888666,
  "City" : "Ajmer",
  "RollNo" : 46,
  "Branch" : "CSE"
}
{
  "_id" : ObjectId("5e52a4bc6cc44e5767d711d2"),
  "Name" : "Son",
  "ContactNo" : 9872327666,
  "City" : "Agra",
  "RollNo" : 46,
  "Branch" : "CSE"
}
{
  "_id" : ObjectId("5e52a4bc6cc44e5767d711d3"),
  "Name" : "Aman",
  "ContactNo" : 9872327262,
  "City" : "Jaipur",
  "RollNo" : 47,
  "Branch" : "CSE"
}
>
```

## 8. Drop the database

```
> db.dropDatabase();
{ "dropped" : "student", "ok" : 1 }
> show dbs
admin    0.000GB
config   0.000GB
local    0.000GB
> ^C
bye
agun@Agun-Parma:~$ cd /Documents
```

## 9. Restore the database again to have the full data



```
Activities Terminal Sun 22:27
root@Arun-Parmar: ~

File Edit View Search Terminal Help
student
arun@Arun-Parmar:02-16-20 $ mongorestore -d student /home/arun/Documents/mongoBackup/02-16-20/student/
2020-02-23T22:27:02.254+0530 the --db and --collection args should only be used when restoring from a B
and will not exist in the future; use --nsInclude instead
2020-02-23T22:27:02.255+0530 building a list of collections to restore from /home/arun/Documents/mongoB
2020-02-23T22:27:02.255+0530 reading metadata for student.stu_details from /home/arun/Documents/mongoBa
tadata.json
2020-02-23T22:27:02.276+0530 restoring student.stu_details from /home/arun/Documents/mongoBackup/02-16-
2020-02-23T22:27:02.277+0530 no indexes to restore
2020-02-23T22:27:02.277+0530 finished restoring student.stu_details (5 documents)
2020-02-23T22:27:02.277+0530 done
arun@Arun-Parmar:02-16-20 $ cd
arun@Arun-Parmar:~ $ mongo
MongoDB shell version v3.6.3
connecting to: mongod://127.0.0.1:27017
MongoDB server version: 3.6.3
Server has startup warnings:
2020-02-21T11:57:13.292+0530 I STORAGE [initandlisten]
2020-02-21T11:57:13.292+0530 I STORAGE [initandlisten] ** WARNING: Using the XFS filesystem is strongly r
ge engine
2020-02-21T11:57:13.292+0530 I STORAGE [initandlisten] ** See http://dochub.mongodb.org/core/pro
2020-02-21T11:57:13.773+0530 I CONTROL [initandlisten]
2020-02-21T11:57:13.773+0530 I CONTROL [initandlisten] ** WARNING: Access control is not enabled for the
2020-02-21T11:57:13.773+0530 I CONTROL [initandlisten] ** Read and write access to data and conf
2020-02-21T11:57:13.773+0530 I CONTROL [initandlisten]
> use student
switched to db student
> db.stu_details.find().pretty()
{
  "_id" : ObjectId("5e52a124a3a111d370368dde"),
  "Name" : "Rohit",
  "ContactNo" : 9997888666,
  "City" : "Ajmer",
  "RollNo" : 46,
  "Branch" : "CSE"
}
{
  "_id" : ObjectId("5e52a4bc6cc44e5767d711d2"),
  "Name" : "Som"
```

## 10. Enable authentication on the Mongo

### a. Start MongoDB without access control

```
Activities Terminal Sun 22:43
root@Arun-Parmar: ~

File Edit View Search Terminal Help
bash: 02-16-20/: is a directory
arun@Arun-Parmar:mongoBackup $ cd 02-16-20/
arun@Arun-Parmar:02-16-20 $ mongod --port 27017 --dbpath /data/db1
2020-02-23T22:36:18.145+0530 I CONTROL [initandlisten] MongoDB starting : pid=29123 port=27017 dbpath=/data/db1 64-bit host=Arun-Parmar
2020-02-23T22:36:18.145+0530 I CONTROL [initandlisten] db version v3.6.3
2020-02-23T22:36:18.145+0530 I CONTROL [initandlisten] git version: 9586e557d54ef70f9ca4b43c26892cd55257e1a5
2020-02-23T22:36:18.145+0530 I CONTROL [initandlisten] OpenSSL version: OpenSSL 1.1.1 11 Sep 2018
2020-02-23T22:36:18.145+0530 I CONTROL [initandlisten] allocator: tcmalloc
2020-02-23T22:36:18.145+0530 I CONTROL [initandlisten] modules: none
2020-02-23T22:36:18.145+0530 I CONTROL [initandlisten] build environment:
2020-02-23T22:36:18.145+0530 I CONTROL [initandlisten] distarch: x86_64
2020-02-23T22:36:18.145+0530 I CONTROL [initandlisten] target_arch: x86_64
2020-02-23T22:36:18.145+0530 I CONTROL [initandlisten] options: { net: { port: 27017 }, storage: { dbPath: "/data/db1" } }
2020-02-23T22:36:18.146+0530 I STORAGE [initandlisten] exception in initAndListen: NonExistentPath: Data directory /data/db1 not found., term
inating
2020-02-23T22:36:18.146+0530 I CONTROL [initandlisten] now exiting
2020-02-23T22:36:18.146+0530 I CONTROL [initandlisten] shutting down with code:100
arun@Arun-Parmar:02-16-20 $ mongo --port 27017
```

### b. Connect to the instance

### c. Create the user administrator.

```
Activities Terminal Sun 22:43 root@Arun-Parmar: ~
File Edit View Search Terminal Help
arun@Arun-Parmar:02-16-20 $ mongo --port 27017
MongoDB shell version v3.6.3
connecting to: mongodb://127.0.0.1:27017/
MongoDB server version: 3.6.3
Server has startup warnings:
2020-02-21T11:57:13.292+0530 I STORAGE [initandlisten]
2020-02-21T11:57:13.292+0530 I STORAGE [initandlisten] ** WARNING: Using the XFS filesystem is strongly recommended with the WiredTiger storage engine
2020-02-21T11:57:13.292+0530 I STORAGE [initandlisten] ** See http://dochub.mongodb.org/core/prodnotes-filesystem
2020-02-21T11:57:13.773+0530 I CONTROL [initandlisten]
2020-02-21T11:57:13.773+0530 I CONTROL [initandlisten] ** WARNING: Access control is not enabled for the database.
2020-02-21T11:57:13.773+0530 I CONTROL [initandlisten] ** Read and write access to data and configuration is unrestricted.
2020-02-21T11:57:13.773+0530 I CONTROL [initandlisten]
> use admin
switched to db admin
> db.createUser(
... {user: "adminArun",
... pwd: "arun",
... roles: [ { role: "userAdminAnyDatabase", db: "admin" } ]})
Successfully added user: {
  "user": "adminArun",
  "roles": [
    {
      "role": "userAdminAnyDatabase",
      "db": "admin"
    }
  ]
}
```

#### d. Re-start the MongoDB instance with access control

```
[native code]
> exit
bye
arun@Arun-Parmar:02-16-20 $ mongod --auth --port 27017 --dbpath /data/db1
2020-02-23T22:49:07.764+0530 I CONTROL [initandlisten] MongoDB starting : pid=29335 port=27017 dbpath=/data/db1 64-bit host=Arun-Parmar
2020-02-23T22:49:07.764+0530 I CONTROL [initandlisten] db version v3.6.3
2020-02-23T22:49:07.764+0530 I CONTROL [initandlisten] git version: 9586e557d54ef70f9ca4b43c26892cd55257e1a5
2020-02-23T22:49:07.764+0530 I CONTROL [initandlisten] OpenSSL version: OpenSSL 1.1.1 11 Sep 2018
2020-02-23T22:49:07.764+0530 I CONTROL [initandlisten] allocator: tcmalloc
2020-02-23T22:49:07.764+0530 I CONTROL [initandlisten] modules: none
2020-02-23T22:49:07.764+0530 I CONTROL [initandlisten] build environment:
2020-02-23T22:49:07.764+0530 I CONTROL [initandlisten] distarch: x86_64
2020-02-23T22:49:07.764+0530 I CONTROL [initandlisten] target_arch: x86_64
2020-02-23T22:49:07.764+0530 I CONTROL [initandlisten] options: { net: { port: 27017 }, security: { authorization: "enabled" }, storage: { db
Path: "/data/db1" } }
2020-02-23T22:49:07.764+0530 I STORAGE [initandlisten] exception in initAndListen: NonExistentPath: Data directory /data/db1 not found., term
inating
2020-02-23T22:49:07.764+0530 I CONTROL [initandlisten] now exiting
2020-02-23T22:49:07.764+0530 I CONTROL [initandlisten] shutting down with code:100
arun@Arun-Parmar:02-16-20 $
```

#### e. Connect and authenticate as the user administrator

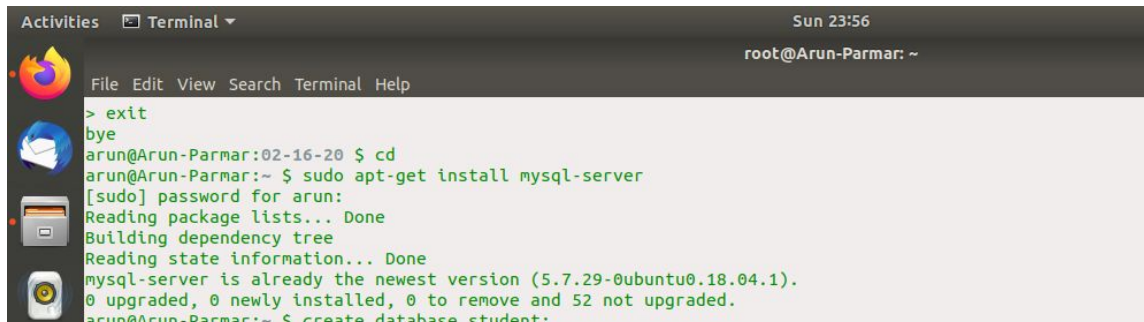
```
2020-02-23T22:49:07.764+0530 I CONTROL [initandlisten] shutting down with code:100
arun@Arun-Parmar:02-16-20 $ mongo --port 27017 -u "adminArun" -p "arun" --authenticationDatabase "admin"
MongoDB shell version v3.6.3
connecting to: mongodb://127.0.0.1:27017/
MongoDB server version: 3.6.3
Server has startup warnings:
2020-02-21T11:57:13.292+0530 I STORAGE [initandlisten]
2020-02-21T11:57:13.292+0530 I STORAGE [initandlisten] ** WARNING: Using the XFS filesystem is strongly recommended with the WiredTiger storage engine
2020-02-21T11:57:13.292+0530 I STORAGE [initandlisten] ** See http://dochub.mongodb.org/core/prodnotes-filesystem
2020-02-21T11:57:13.773+0530 I CONTROL [initandlisten]
2020-02-21T11:57:13.773+0530 I CONTROL [initandlisten] ** WARNING: Access control is not enabled for the database.
2020-02-21T11:57:13.773+0530 I CONTROL [initandlisten] ** Read and write access to data and configuration is unrestricted.
2020-02-21T11:57:13.773+0530 I CONTROL [initandlisten]
>
```

11. Install another version of MongoDB from source (Version 2.6.3) and run it on port 27009

12. Create init service of Mongo installed later.

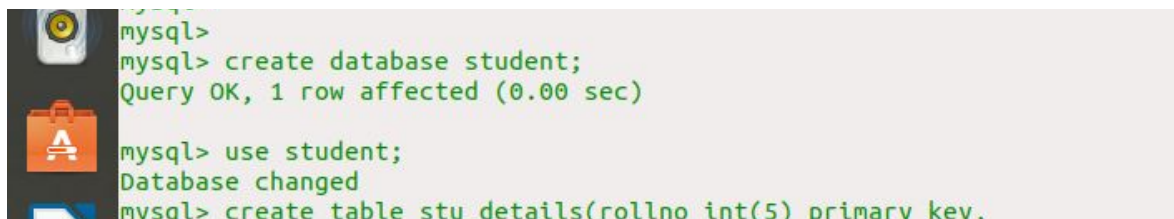
## MySQL:

### 1. Install latest version of MySQL from apt-get repository



```
Activities Terminal Sun 23:56 root@Arun-Parmar: ~
File Edit View Search Terminal Help
> exit
bye
arun@Arun-Parmar:02-16-20 $ cd
arun@Arun-Parmar:~ $ sudo apt-get install mysql-server
[sudo] password for arun:
Reading package lists... Done
Building dependency tree
Reading state information... Done
mysql-server is already the newest version (5.7.29-0ubuntu0.18.04.1).
0 upgraded, 0 newly installed, 0 to remove and 52 not upgraded.
arun@Arun-Parmar:~ $ create database student;
```

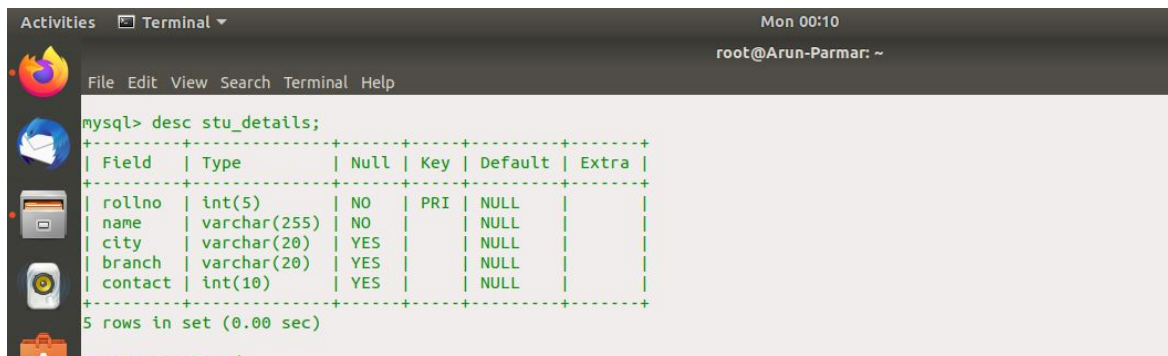
### 2. Create a database student



```
mysql>
mysql> create database student;
Query OK, 1 row affected (0.00 sec)

mysql> use student;
Database changed
mysql> create table stu_details(rollno int(5) primary key,
```

### 3. Insert operation : 5 students data (Name, Contact, City, Roll No, Branch)



```
Activities Terminal Mon 00:10 root@Arun-Parmar: ~
File Edit View Search Terminal Help
mysql> desc stu_details;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| rollno | int(5) | NO | PRI | NULL | |
| name | varchar(255) | NO | | NULL | |
| city | varchar(20) | YES | | NULL | |
| branch | varchar(20) | YES | | NULL | |
| contact | int(10) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```



```
mysql> insert into stu_details values(1,"Aakash","New Delhi","CS",971979615);
Query OK, 1 row affected (0.01 sec)

mysql> insert into stu_details values(12,"Arun","Agra","CS",947899615);
ERROR 1062 (23000): Duplicate entry '1' for key 'PRIMARY'
mysql> insert into stu_details values(12,"Arun","Agra","CS",947899615);
Query OK, 1 row affected (0.01 sec)

mysql> insert into stu_details values(12,"Mikesh","Jaipur","CS",948299615);
ERROR 1062 (23000): Duplicate entry '12' for key 'PRIMARY'
mysql> insert into stu_details values(33,"Mikesh","Jaipur","CS",948299615);
Query OK, 1 row affected (0.01 sec)

mysql> insert into stu_details values(19,"Ekansh","Ajmer","CS",999299615);
Query OK, 1 row affected (0.01 sec)

mysql> insert into stu_details values(19,"Fahed","Panaji","CS",706299615);
ERROR 1062 (23000): Duplicate entry '19' for key 'PRIMARY'
mysql> insert into stu_details values(23,"Fahed","Panaji","CS",706299615);
Query OK, 1 row affected (0.01 sec)

mysql> select * from stu_details
-> ;
+-----+-----+-----+-----+-----+
| rollno | name  | city  | branch | contact |
+-----+-----+-----+-----+-----+
| 1      | Aakash | New Delhi | CS      | 971979615 |
| 12     | Arun  | Agra    | CS      | 947899615 |
| 19     | Ekansh | Ajmer   | CS      | 999299615 |
| 23     | Fahed | Panaji  | CS      | 706299615 |
| 33     | Mikesh | Jaipur  | CS      | 948299615 |
+-----+-----+-----+-----+-----+
5 rows in set (0.01 sec)

mysql> ;
```

#### 4. Read operation : All the students belong to a particular city

```
mysql> select * from stu_details where city="agra";
+-----+-----+-----+-----+-----+
| rollno | name  | city  | branch | contact |
+-----+-----+-----+-----+-----+
| 12     | Arun  | Agra    | CS      | 947899615 |
+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

#### 5. Update operation : Update the branch of all the students to CSE

```
mysql> update stu_details set branch="CSE";
Query OK, 5 rows affected (0.01 sec)
Rows matched: 5 Changed: 5 Warnings: 0

mysql> select * from stu_details
-> ;
+-----+-----+-----+-----+-----+
| rollno | name  | city  | branch | contact |
+-----+-----+-----+-----+-----+
| 1      | Aakash | New Delhi | CSE      | 971979615 |
| 12     | Arun  | Agra    | CSE      | 947899615 |
| 19     | Ekansh | Ajmer   | CSE      | 999299615 |
| 23     | Fahed | Panaji  | CSE      | 706299615 |
| 33     | Mikesh | Jaipur  | CSE      | 948299615 |
+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql> ;
```

#### 6. Take dump of the database

```
299072.jpg Funs3Eu-1967-mustang-wallpaper.jpg Untitled 1.odt wp1808944.jpg
arun@Arun-Parmar:Documents $ sudo mysqldump student > /home/arun/Documents/dump.sql;
[sudo] password for arun:
arun@Arun-Parmar:Documents $ ls
1665324.jpg Assignments Funs3Eu-1967-mustang-wallpaper.jpg 'Untitled 1.odt' wp1808944.jpg
299072.jpg dump.sql mongoBackup uW7boRI-1967-mustang-wallpaper.jpg
arun@Arun-Parmar:Documents $
```

## 7. Delete operation : Delete the record of last 2 students according to the roll number

```
mysql> use student
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> delete from stu_details order by rollno desc limit 2;
Query OK, 2 rows affected (0.01 sec)

mysql> select * from stu_details;
+-----+-----+-----+-----+-----+
| rollno | name  | city  | branch | contact |
+-----+-----+-----+-----+-----+
| 1      | Aakash | New Delhi | CSE    | 971979615 |
| 12     | Arun  | Agra    | CSE    | 947899615 |
| 19     | Ekansh | Ajmer   | CSE    | 999299615 |
+-----+-----+-----+-----+-----+
3 rows in set (0.01 sec)

mysql>
```

## 8. Drop the database

```
mysql> drop database student;
Query OK, 1 row affected (0.03 sec)

mysql> exit
Bye
arun@Arun-Parmar:Documents $ mysql -u root -p
```

## 9. Restore the database again to have the full data

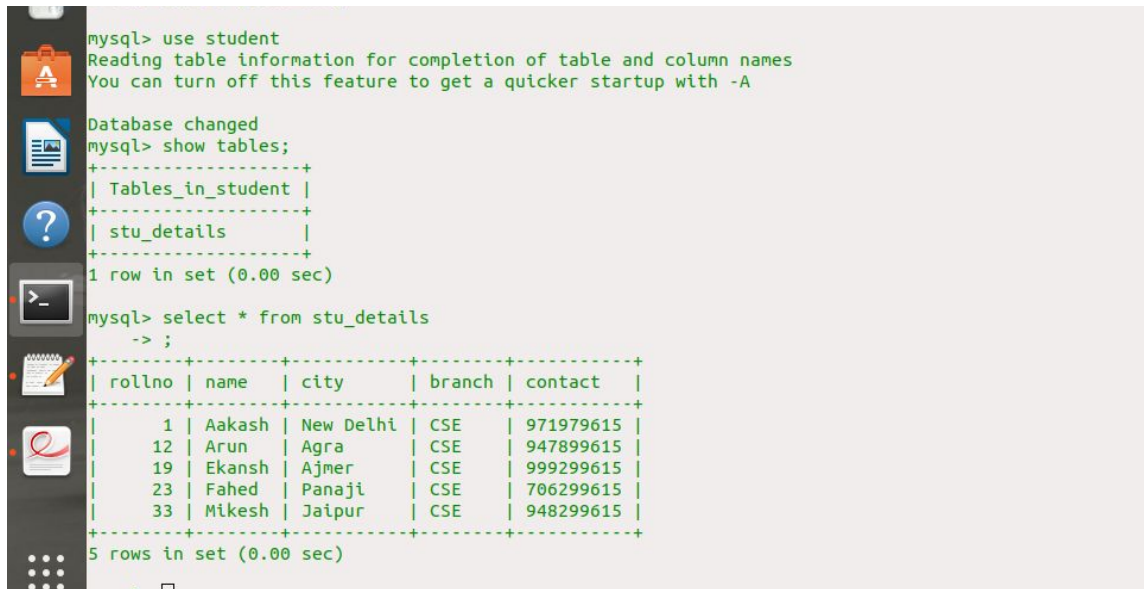
```
root@Arun-Parmar: ~
File Edit View Search Terminal Help
bash: /home/arun/Documents/backup_name.sql: No such file or directory
root@Arun-Parmar:~# mysql -u root -p student < /home/arun/Documents/dump.sql
Enter password:
root@Arun-Parmar:~# mysql
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 14
Server version: 5.7.29-0ubuntu0.18.04.1 (Ubuntu)

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affiliates. Other names may be trademarks of their respective
owners.

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

mysql> show tables
-> ;
ERROR 1046 (3D000): No database selected
mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql      |
| performance_schema |
| student    |
| sys       |
+-----+
5 rows in set (0.00 sec)
```



```
mysql> use student
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> show tables;
+-----+
| Tables_in_student |
+-----+
| stu_details        |
+-----+
1 row in set (0.00 sec)

mysql> select * from stu_details
-> ;
+-----+-----+-----+-----+-----+
| rollno | name  | city  | branch | contact |
+-----+-----+-----+-----+-----+
| 1      | Aakash | New Delhi | CSE    | 971979615 |
| 12     | Arun  | Agra    | CSE    | 947899615 |
| 19     | Ekansh | Ajmer   | CSE    | 999299615 |
| 23     | Fahed | Panaji  | CSE    | 706299615 |
| 33     | Mikesk | Jaipur  | CSE    | 948299615 |
+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

**10. Install another version of MongoDB from source (Version 2.6.3) and run it on port 27009**

**11. Create init service of Mongo installed later\***