

MySQL vs MongoDB - Permissions & Commands

```
# ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql_native_password BY 'password';  
# FLUSH PRIVILEGES;  
# create database test_db;  
# use test_db;  
# create table users ( id int auto_increment primary key,  
name varchar(255) not null, email varchar(255) not null unique, role enum('Admin','User') not null);  
# CREATE USER 'jay'@'%' IDENTIFIED WITH mysql_native_password BY 'hesoyam';  
# GRANT ALL PRIVILEGES ON *.* TO 'jay'@'%' WITH GRANT OPTION;  
# GRANT SELECT, INSERT, UPDATE, DELETE, CREATE, DROP, ALTER, INDEX, CREATE  
VIEW, SHOW VIEW, CREATE TEMPORARY TABLES, EXECUTE, TRIGGER ON my_database.*  
TO 'devuser'@'%';
```

Go to client directory:

Go to config and edit db file and enter right password and username.

Go to client folder:

```
# npm install --no-audit (Create node_modules folder which helps to run application)
```

```
# npm audit --only-critical
```

```
# npm run build (Make bundle.js file which is utilized by server)
```

Server side:

```
# npm install
```

npm start (It will run the project on port 5000)

SolarProject

npm install (Install dependencies which are available under package.json and generate the directory module_)

npm test (Run test cases which are under test directory)

npm run coverage (For code coverage)

npm start

Install MongoDB:

<https://nspeaks.com/install-mongodb-server-in-ubuntu-24.04/>

Install Mongosh:

<https://www.mongodb.com/docs/mongodb-shell/install/>

Create database:

use planets

Create a new user with a password:

```
db.createUser( {  
  user: "planetuser",  
  pwd: "StrongPassword123",  
  roles: [
```

```
{ role: "readWrite", db: "planets" }  
]  
});
```

Show users:

```
show users
```

Test Login:

```
mongosh -u planetuser -p StrongPassword123 --authenticationDatabase planets
```

Provide admin password:

```
use admin
```

```
db.createUser( {  
  user: "adminuser",  
  pwd: "AdminPassword123",  
  roles: [ { role: "userAdminAnyDatabase", db: "admin" } ]  
});
```

Provide limited permission:

```
use planets
```

```
db.createUser( {  
  user: "devuser",  
  pwd: "DevPassword123",  
  roles: [  
    { role: "readWrite", db: "planets" },  
    { role: "dbAdmin", db: "planets" }  
  ]  
});
```

