

Install and Configure MariaDB & MySQL

Step 1: Install and Start MariaDB

```
dnf install mariadb-server mariadb -y
systemctl start mariadb
systemctl enable mariadb
systemctl status mariadb
```

Step 2: Secure MariaDB Installation

```
mysql_secure_installation
```

Step 3: Create Database and User in MariaDB

```
CREATE DATABASE first_MariaDB;
CREATE USER 'iafzal'@'localhost' IDENTIFIED BY '123';
GRANT ALL PRIVILEGES ON first_MariaDB.* TO 'iafzal'@'localhost';
FLUSH PRIVILEGES;
SHOW DATABASES;
EXIT;
```

Step 4: Create Table and CURD operation

```
vi /etc/nginx/nginx.conf
USE first_MariaDB;
CREATE TABLE people (
    id INT PRIMARY KEY AUTO_INCREMENT,
    name VARCHAR(100),
    profession VARCHAR(100)
);
INSERT INTO people (name, profession) VALUES
('Alice', 'Engineer'),
```

```
('Bob', 'Doctor'),  
('Charlie', 'Teacher');  
SELECT * FROM people;  
UPDATE people SET profession = 'Principal' WHERE name = 'Charlie';  
DELETE FROM people WHERE name = 'Bob';  
EXIT;
```

Step 5: Uninstall MariaDB

```
systemctl stop mariadb  
dnf remove mariadb mariadb-server  
rm -rf /var/lib/mysql  
rm -rf /etc/my.cnf
```

Step 6: Install and Setup MySQL

```
dnf install mysql-server -y  
systemctl start mysqld  
systemctl enable mysqld  
systemctl status mysqld  
mysql_secure_installation
```