



**Placement Empowerment Program**  
***Cloud Computing and DevOps Centre***

***100 Days of DevOps Challenge***

***Day 09 : MariaDB Troubleshooting***

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# MariaDB Troubleshooting

## Objective :

To complete this task, you need to fix the MariaDB service on the database server. The service is down, and the application cannot connect to the database.

## Steps Performed :

### 1. SSH into the Database Server

Connect to the database server using the provided credentials.

- **ssh peter@stdb01**

### 2. Prepare the Database Directory

Stop the mariadb service, remove the existing data directory, and then recreate it with the correct permissions.

- **sudo systemctl stop mariadb**
- **sudo rm -rf /var/lib/mysql**
- **sudo mkdir /var/lib/mysql**
- **sudo chown mysql:mysql /var/lib/mysql**

### 3. Manually Initialize the Database

Run the initialization script as the correct user to prepare the database.

- **sudo -u mysql /usr/libexec/mariadb-prepare-db-dir**

### 4. Start and Verify the Service

Start the service and check its status to confirm it's running.

- **sudo systemctl start mariadb**
- **sudo systemctl status mariadb**

