

## To Create MySQL DATABASE

This document provides a step-by-step guide for creating a database in MySQL using PuTTY, granting privileges to a user, and ensuring the changes are applied. This guide can be adapted for any database name or user.

Connect to your virtual machine via SSH using username "ubuntu":-

1. **Switch to Root User** (if necessary): Some commands may require root privileges. You can switch to the root user by typing:

```
sudo su
```

Enter the root password if prompted.

2. **Login to MySQL:** To access MySQL, type the following command and press Enter:

```
mysql -u root -p
```

- o `-u root`: Specifies the MySQL username (replace `root` with your username if different).
- o `-p`: Prompts for the MySQL password.

You will be prompted to enter your MySQL root password. Enter the password according to yourself and press Enter.

### 3. Create a New Database

1. **Create Database:** Once logged in to the MySQL prompt, you can create a new database by typing the following command:

```
CREATE DATABASE your_database_name;
```

Replace `your_database_name` with the name you want to give your database.

1. **Grant Privileges:** Grant all privileges on the newly created database to a specific user:

```
GRANT ALL PRIVILEGES ON your_database_name.* TO  
'your_username'@'localhost' IDENTIFIED BY 'your_password';
```

- o `your_database_name`: Name of the database you created.
- o `your_username`: The username to which you are granting privileges.
- o `your_password`: The password for the specified username.

2. **Flush Privileges:** Apply the changes to ensure the privileges take effect:

```
FLUSH PRIVILEGES;
```

3. **Exit MySQL:** Exit the MySQL prompt by typing:

```
QUIT;
```

Press Enter. You will return to the regular command prompt.