

PostgreSQL on Kubuntu – Complete Setup & Fix Guide

1. Install PostgreSQL

```
sudo apt update  
sudo apt install postgresql postgresql-contrib  
sudo systemctl enable --now postgresql
```

2. Check PostgreSQL Status

```
sudo systemctl status postgresql
```

3. Enter PostgreSQL Shell

```
sudo -i -u postgres  
psql
```

4. Create User and Database

```
CREATE USER mamun WITH PASSWORD 'your_password';  
CREATE DATABASE mamun OWNER mamun;
```

5. Switch to Database

```
\c mamun
```

6. Create Table

```
CREATE TABLE public.users (  
    id SERIAL PRIMARY KEY,  
    name TEXT NOT NULL,  
    email TEXT UNIQUE NOT NULL  
) ;
```

7. Fix Ownership & Permissions

```
ALTER TABLE public.users OWNER TO mamun;  
  
GRANT USAGE ON SCHEMA public TO mamun;  
GRANT ALL ON ALL TABLES IN SCHEMA public TO mamun;  
  
ALTER DEFAULT PRIVILEGES IN SCHEMA public  
GRANT ALL ON TABLES TO mamun;
```

8. Verify Tables

```
\dt  
SELECT * FROM users;
```

9. VS Code Connection Settings

Host: localhost

```
User: mamun
Database: mamun
Authentication: Password
```

10. Common Checks

```
SELECT current_database(), current_user;
\du
```

Status: ✓ PostgreSQL fully working on Kubuntu