

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