

# How to Setup & Run this Project

How to Run Project (Video Tutorial) – [click here](#)

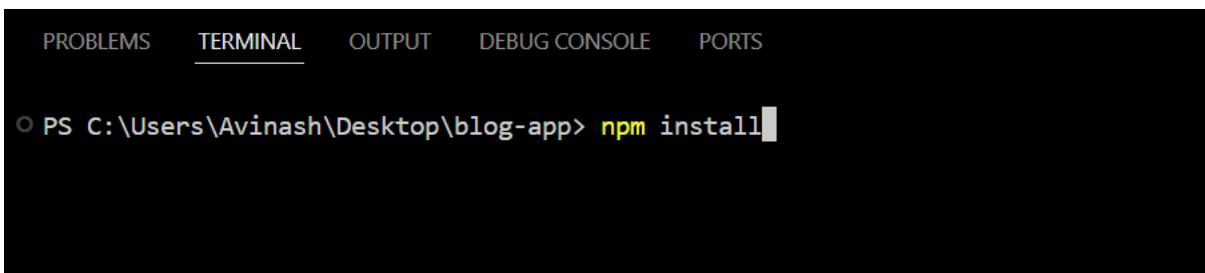
OR

❖ Install NodeJs ( Ignore If Already Installed)

1. Visit the official Node.js website i.e) <https://nodejs.org/en/download/>
2. Download the Node.js installer
3. Run the installer.
4. Follow the prompts in the installer.

❖ **Steps To Setup and run the project**

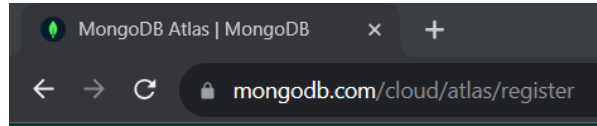
1. Open Project Folder In VS Code
2. Open Integrated Terminal
  - Right Click on Sidebar > Select "Open In Integrated Terminal"
3. Type "**npm install**" and press Enter and Wait for Installation to be completed (requires Internet)



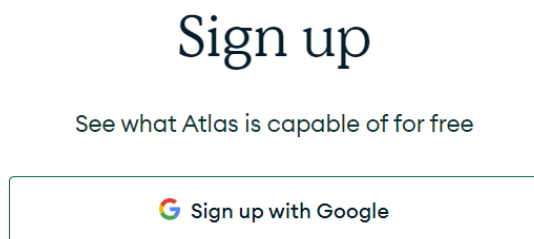
```
PROBLEMS  TERMINAL  OUTPUT  DEBUG CONSOLE  PORTS
PS C:\Users\Avinash\Desktop\blog-app> npm install
```

## 4. Setup The MongoDB

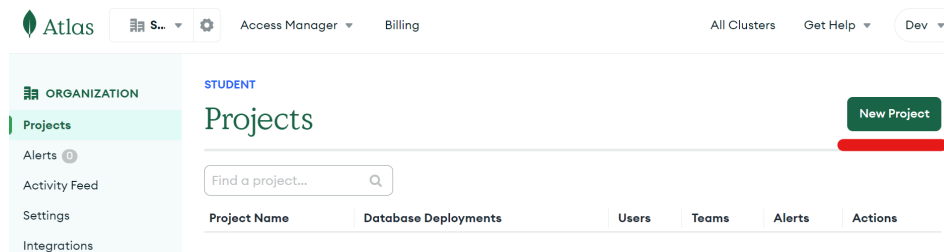
- a. Open this link – [LINK](#)



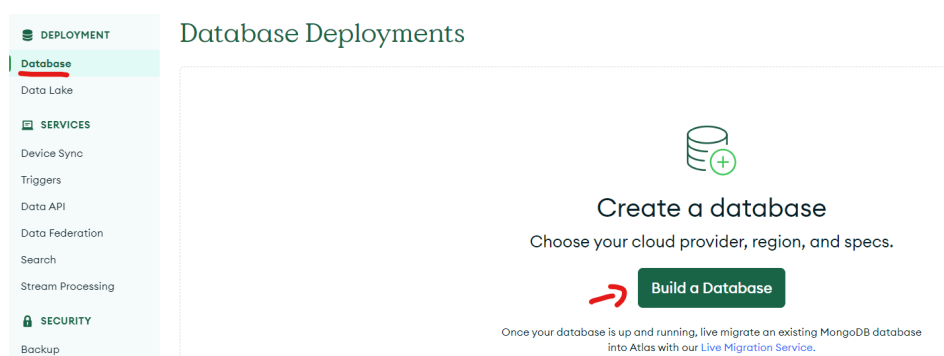
- b. After that Sign Up on the website.



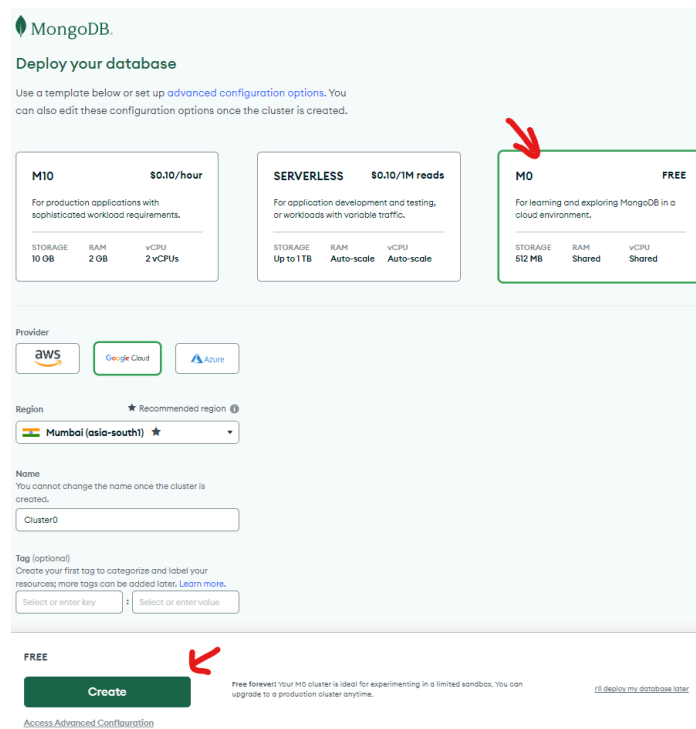
- c. Click on New Project Option



- d. After Creating Project go to Database Section & Build a database



e. Select M0 & Your Region & Create Database



The screenshot shows the MongoDB 'Deploy your database' interface. At the top, there's a heading 'Deploy your database' with a subtext: 'Use a template below or set up [advanced configuration options](#). You can also edit these configuration options once the cluster is created.' Below this, there are three pricing plans: M10 (\$0.10/hour), SERVERLESS (\$0.10/1M reads), and M0 (FREE). The M0 plan is highlighted with a green border and a red arrow pointing to it. Below the plans, there's a 'Provider' section with buttons for AWS, Google Cloud, and Azure. The 'Region' section shows 'Mumbai (asia-south1)' selected, with a red star indicating it's the recommended region. The 'Name' section has a text input field with 'Cluster0'. The 'Tag (optional)' section has two input fields for key and value. At the bottom, there's a 'Create' button with a red arrow pointing to it, and a note: 'Free forever! Your M0 cluster is ideal for experimenting in a limited sandbox. You can upgrade to a production cluster anytime.' There's also a link: 'I'll deploy my database later'.

MongoDB

### Deploy your database

Use a template below or set up [advanced configuration options](#). You can also edit these configuration options once the cluster is created.

**M10** **\$0.10/hour**  
For production applications with sophisticated workload requirements.

STORAGE	RAM	vCPU
10 GB	2 GB	2 vCPUs

**SERVERLESS** **\$0.10/1M reads**  
For application development and testing, or workloads with variable traffic.

STORAGE	RAM	vCPU
Up to 1TB	Auto-scale	Auto-scale

**M0** **FREE**  
For learning and exploring MongoDB in a cloud environment.

STORAGE	RAM	vCPU
512 MB	Shared	Shared

Provider

Region ★ Recommended region ⓘ

**Mumbai (asia-south1)** ★

Name  
You cannot change the name once the cluster is created.

Cluster0

Tag (optional)  
Create your first tag to categorize and label your resources; more tags can be added later. [Learn more.](#)

Select or enter key : Select or enter value

**FREE**

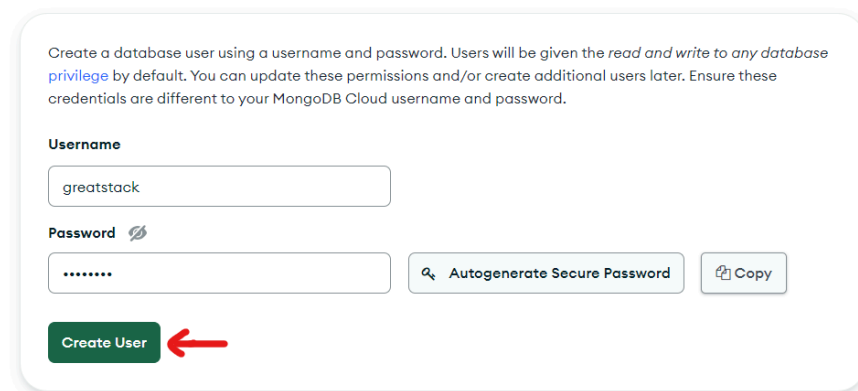
**Create**

Free forever! Your M0 cluster is ideal for experimenting in a limited sandbox. You can upgrade to a production cluster anytime.

[I'll deploy my database later](#)

[Access Advanced Configuration](#)

f. Setup Username & Password & Create User



The screenshot shows the 'Create User' form in MongoDB. It has a heading 'Create a database user using a username and password. Users will be given the *read and write to any database* [privilege](#) by default. You can update these permissions and/or create additional users later. Ensure these credentials are different to your MongoDB Cloud username and password.' Below this, there's a 'Username' section with a text input field containing 'greatstack'. The 'Password' section has a text input field with masked characters, an 'Autogenerate Secure Password' button, and a 'Copy' button. At the bottom, there's a 'Create User' button with a red arrow pointing to it.

Create a database user using a username and password. Users will be given the *read and write to any database* [privilege](#) by default. You can update these permissions and/or create additional users later. Ensure these credentials are different to your MongoDB Cloud username and password.

**Username**

greatstack

**Password**

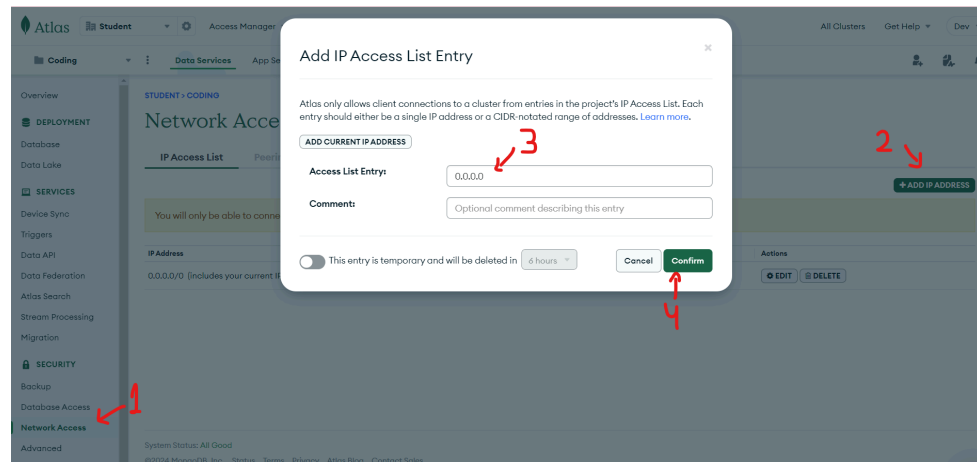
.....

**Create User**

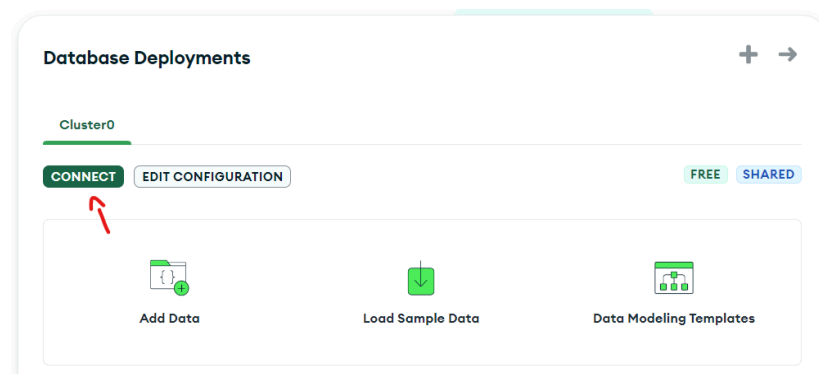
**Note:** Do not use '@' symbol in the password

g. Now Click on Finish & Close

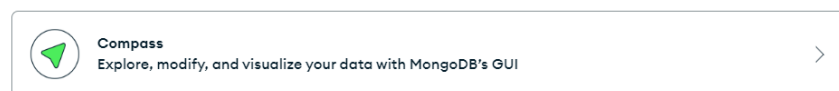
## h. Whitelist IP 0.0.0.0 & Click on Add Entry



## i. Now Click on Connect

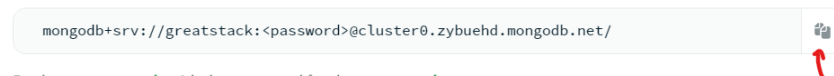


## j. Now Select Compass Option



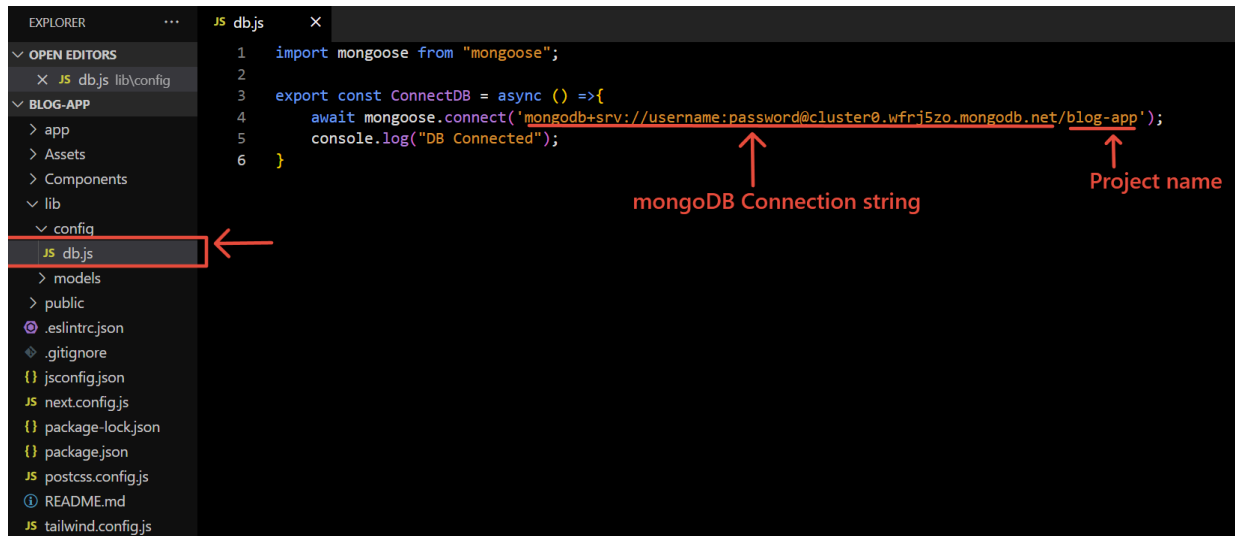
## k. And Copy the Connection String

### 2. Copy the connection string, then open MongoDB Compass



Replace `<password>` with the password for the `greatstack` user.  
When entering your password, make sure that any special characters are [URL encoded](#).

- I. And Paste mongoDB connection string in **db.js** file.  
Replace password with password you set previously in 4.F &  
save changes  
Go to **lib folder** > **config folder** > **db.js file**

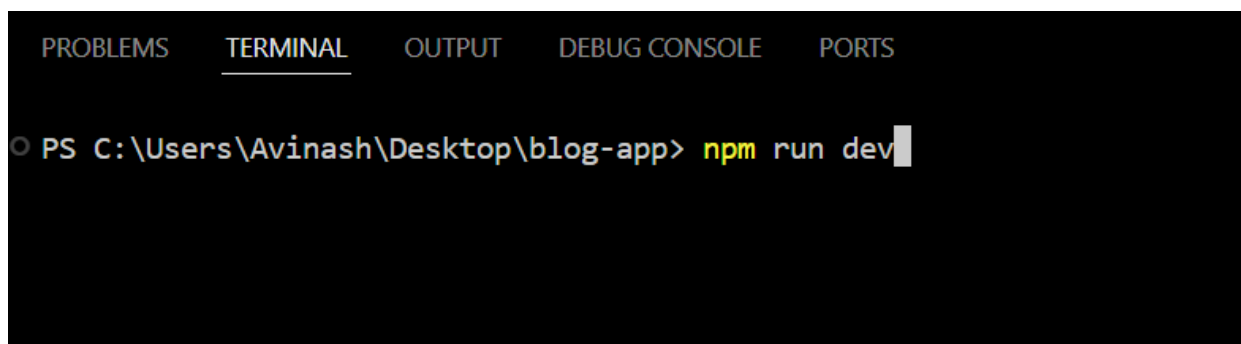


```
1 import mongoose from "mongoose";
2
3 export const ConnectDB = async () =>{
4   await mongoose.connect('mongodb+srv://username:password@cluster0.wfrj5zo.mongodb.net/blog-app');
5   console.log("DB Connected");
6 }
```

mongoDB Connection string

Project name

5. To Run the project use **npm run dev** in Integrated Terminal



```
PROBLEMS  TERMINAL  OUTPUT  DEBUG CONSOLE  PORTS

PS C:\Users\Avinash\Desktop\blog-app> npm run dev
```

6. Now copy the localhost URL from terminal and open in browser


```
PROBLEMS  TERMINAL  OUTPUT  DEBUG CONSOLE  PORTS

PS C:\Users\Avinash\Desktop\blog-app> npm run dev

> next-blog-app@0.1.0 dev
> next dev

  ▲ Next.js 14.0.4
  - Local:      http://localhost:3000

```



```

✓ Ready in 3.4s

```

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