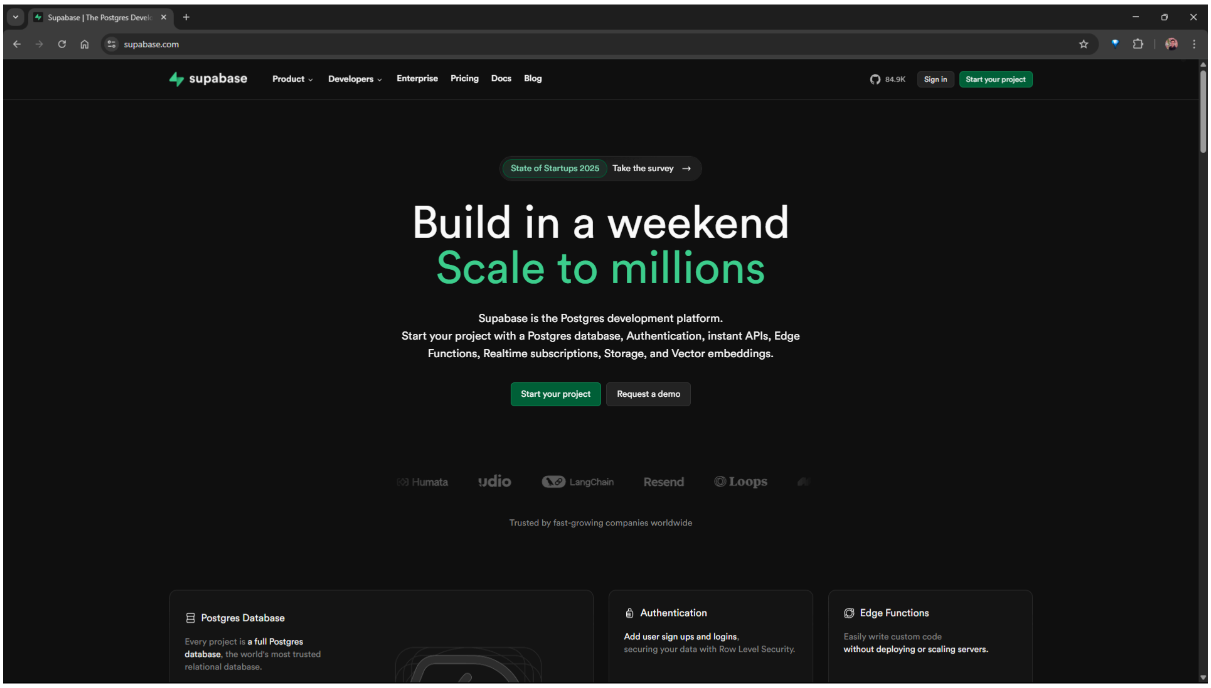


Build in a weekend
Scale to millions

Supabase is the Postgres development platform.
Start your project with a Postgres database, Authentication, instant APIs, Edge Functions, Realtime subscriptions, Storage, and Vector embeddings.

Trusted by fast-growing companies worldwide

Postgres Database

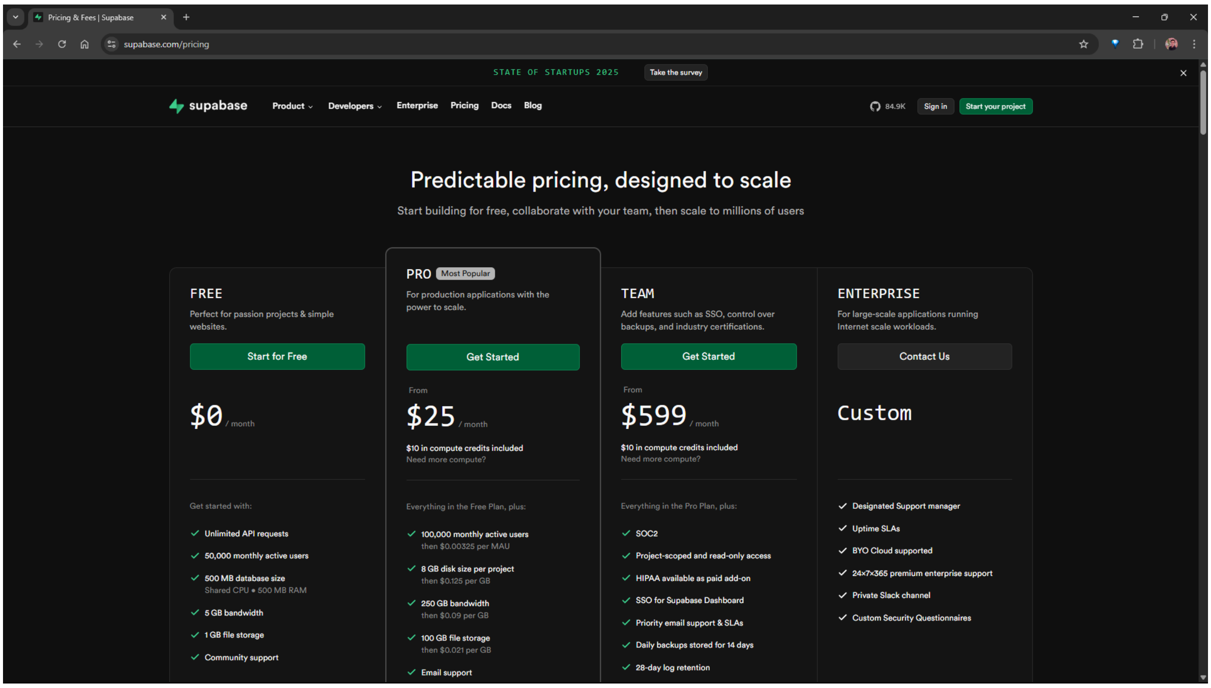
Every project is **a full Postgres database**, the world's most trusted relational database.

Authentication

Add user sign ups and logins, securing your data with Row Level Security.

Edge Functions

Easily write custom code **without deploying or scaling servers.**



Predictable pricing, designed to scale

Start building for free, collaborate with your team, then scale to millions of users

FREE

Perfect for passion projects & simple websites.

$0 / month

Get started with:

- ✓ Unlimited API requests
- ✓ 50,000 monthly active users
- ✓ 500 MB database size
  Shared CPU • 500 MB RAM
- ✓ 5 GB bandwidth
- ✓ 1 GB file storage
- ✓ Community support

PRO Most Popular

For production applications with the power to scale.

From
$25 / month

$10 in compute credits included
Need more compute?

Everything in the Free Plan, plus:

- ✓ 100,000 monthly active users
  then $0.00325 per MAU
- ✓ 8 GB disk size per project
  then $0.125 per GB
- ✓ 250 GB bandwidth
  then $0.09 per GB
- ✓ 100 GB file storage
  then $0.021 per GB
- ✓ Email support

TEAM

Add features such as SSO, control over backups, and industry certifications.

From
$599 / month

$10 in compute credits included
Need more compute?

Everything in the Pro Plan, plus:

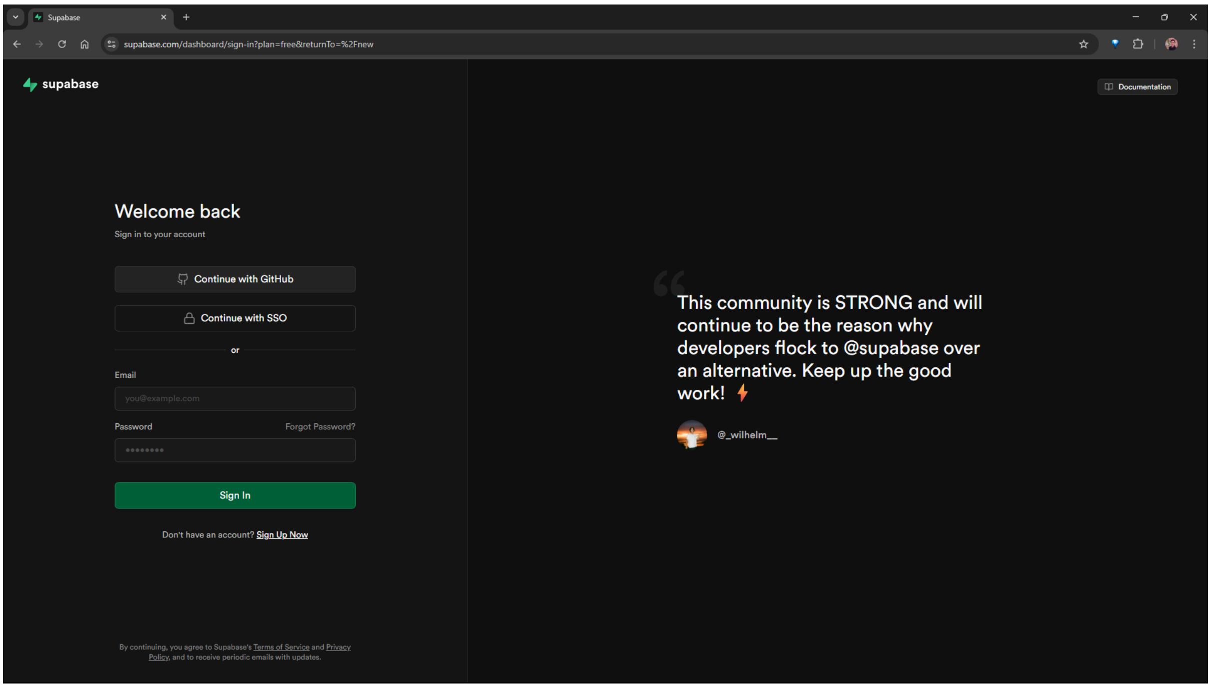
- ✓ SOC2
- ✓ Project-scoped and read-only access
- ✓ HIPAA available as paid add-on
- ✓ SSO for Supabase Dashboard
- ✓ Priority email support & SLAs
- ✓ Daily backups stored for 14 days
- ✓ 28-day log retention

ENTERPRISE

For large-scale applications running Internet scale workloads.

Custom

- ✓ Designated Support manager
- ✓ Uptime SLAs
- ✓ BYO Cloud supported
- ✓ 24×7×365 premium enterprise support
- ✓ Private Slack channel
- ✓ Custom Security Questionnaires



supabase.com/dashboard/sign-in?plan=free&returnTo=%2Fnew

Welcome back

Sign in to your account

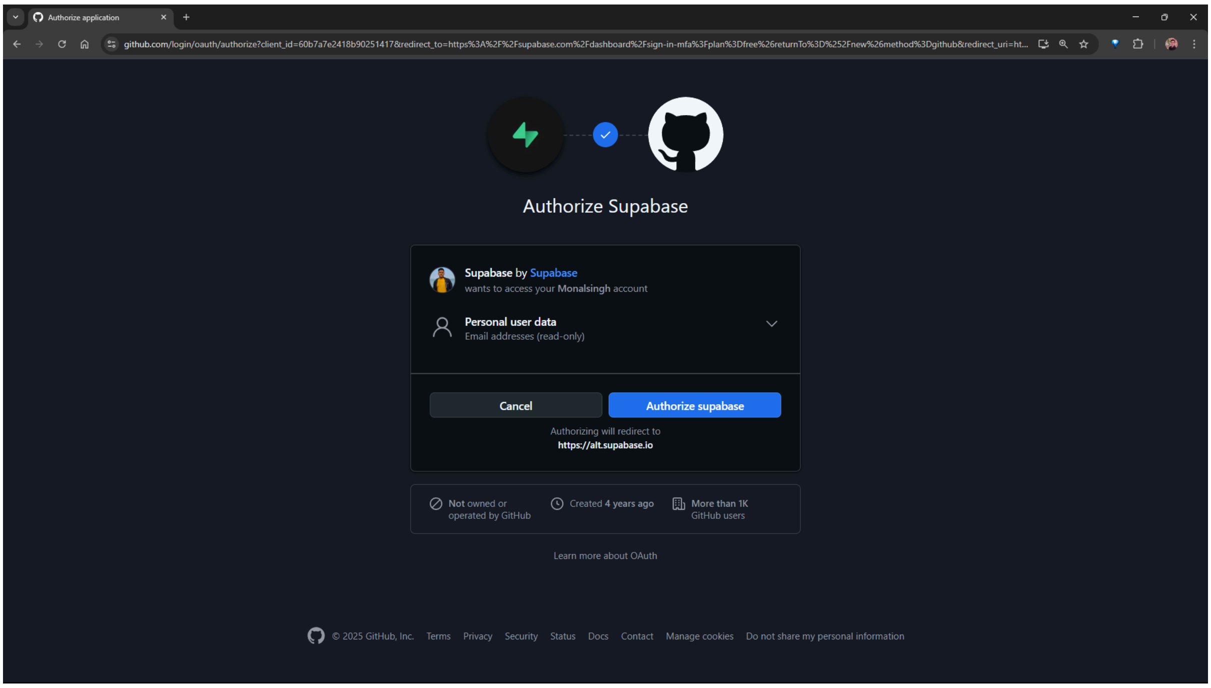
Email: you@example.com

Password: ••••••••

Don't have an account? Sign Up Now

By continuing, you agree to Supabase's Terms of Service and Privacy Policy, and to receive periodic emails with updates.

> This community is STRONG and will continue to be the reason why developers flock to @supabase over an alternative. Keep up the good work! ⚡
>
> @_wilhelm__



github.com/login/oauth/authorize?client_id=60b7a7e2418b90251417&redirect_to=https%3A%2F%2Fsupabase.com%2Fdashboard%2Fsign-in-mfa%3Fplan%3Dfree%26returnTo%3D%252Fnew%26method%3Dgithub&redirect_uri=ht...

Authorize Supabase

Supabase by Supabase
wants to access your Monalsingh account

Personal user data
Email addresses (read-only)

Authorizing will redirect to
https://alt.supabase.io

Not owned or operated by GitHub

Created 4 years ago

More than 1K GitHub users

Learn more about OAuth

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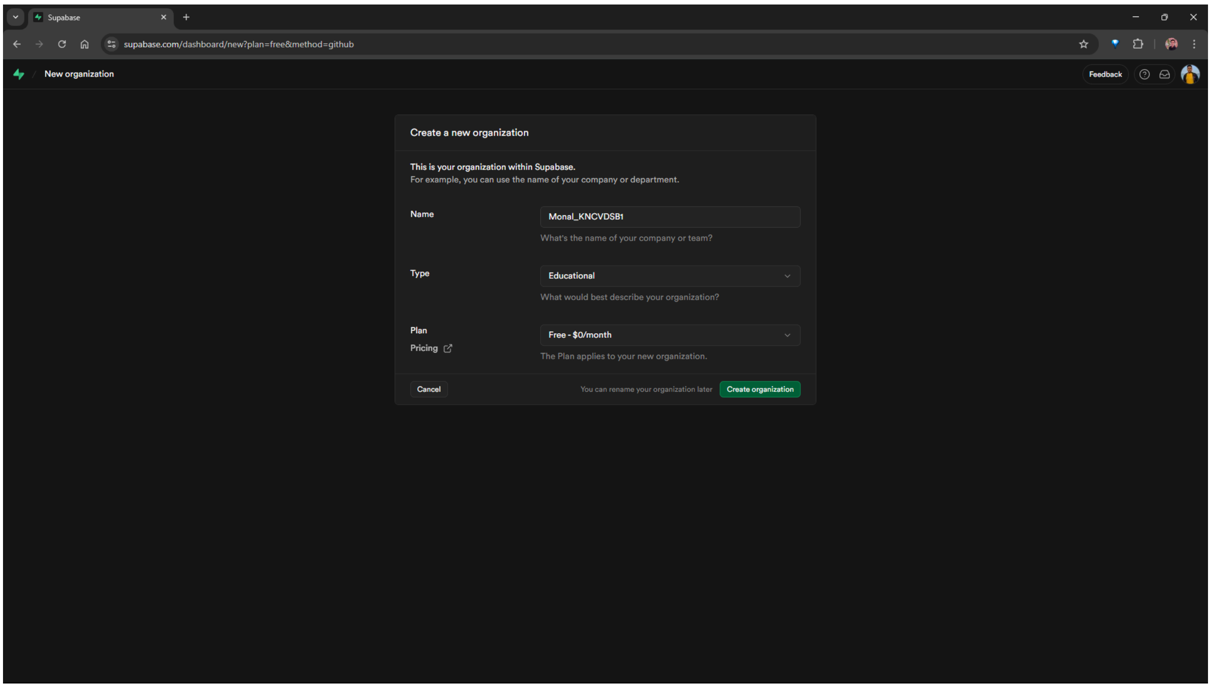

Supabase
supabase.com/dashboard/new?plan=free&method=github
New organization
Feedback

Create a new organization

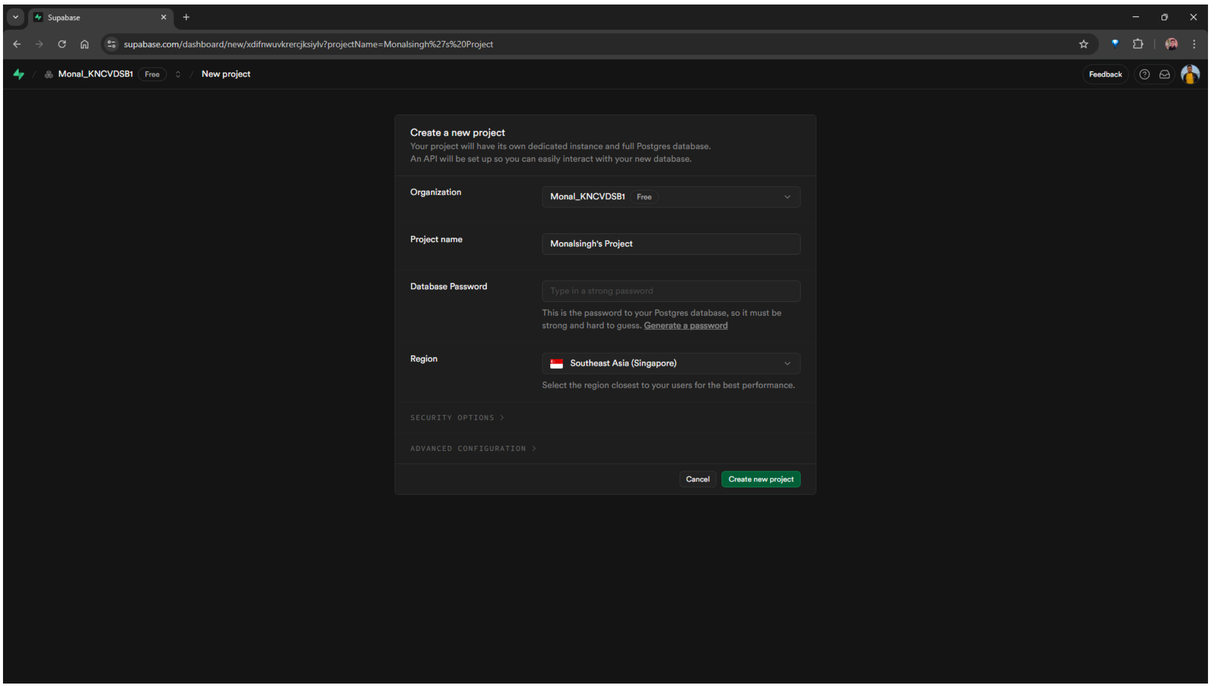
This is your organization within Supabase.
For example, you can use the name of your company or department.

Name: Monal_KNCVDSB1
What's the name of your company or team?

Type: Educational
What would best describe your organization?

Plan
Pricing
Free - $0/month
The Plan applies to your new organization.

Cancel
You can rename your organization later
Create organization


Supabase
supabase.com/dashboard/new/xdifnwuvkrercjksiylv?projectName=Monalsingh%27s%20Project
Monal_KNCVDSB1
Free
New project
Feedback

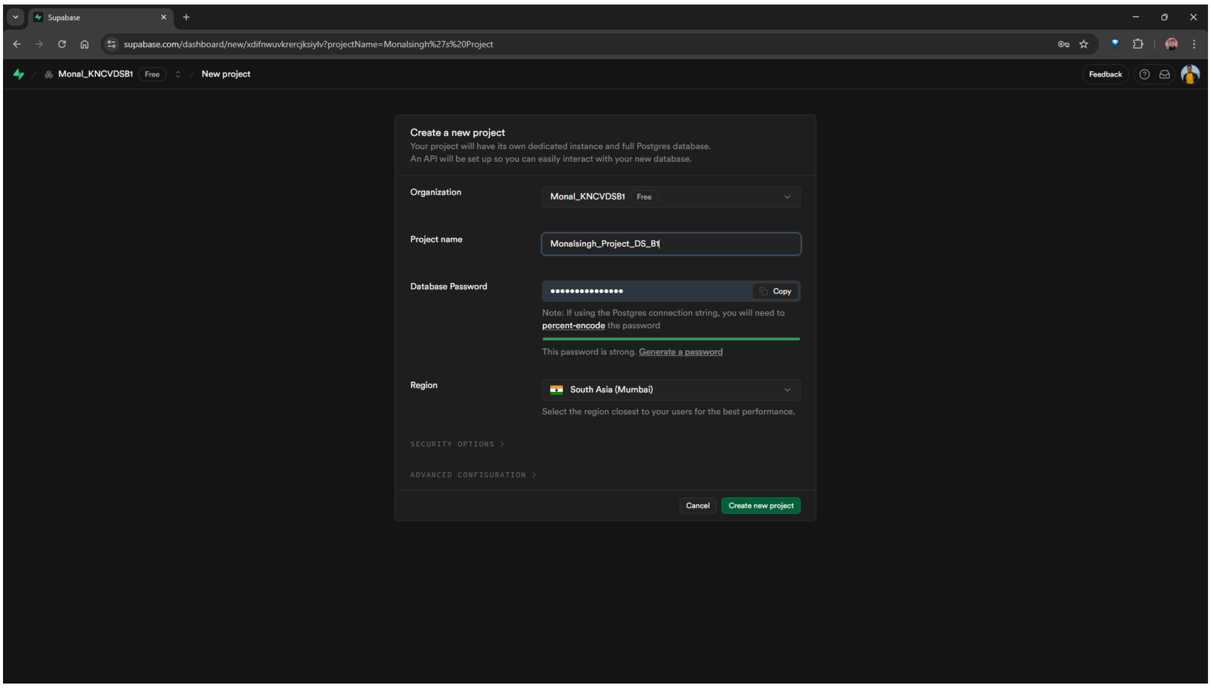
Create a new project
Your project will have its own dedicated instance and full Postgres database.
An API will be set up so you can easily interact with your new database.

Organization: Monal_KNCVDSB1 Free

Project name: Monalsingh's Project

Database Password: Type in a strong password
This is the password to your Postgres database, so it must be strong and hard to guess. Generate a password

Region: Southeast Asia (Singapore)
Select the region closest to your users for the best performance.


Supabase
supabase.com/dashboard/new/xdifnwuvkrercjksiylv?projectName=Monalsingh%27s%20Project
Monal_KNCVDSB1
Free
New project
Feedback

Create a new project

Your project will have its own dedicated instance and full Postgres database.
An API will be set up so you can easily interact with your new database.

Organization: Monal_KNCVDSB1 Free

Project name: Monalsingh_Project_DS_B1

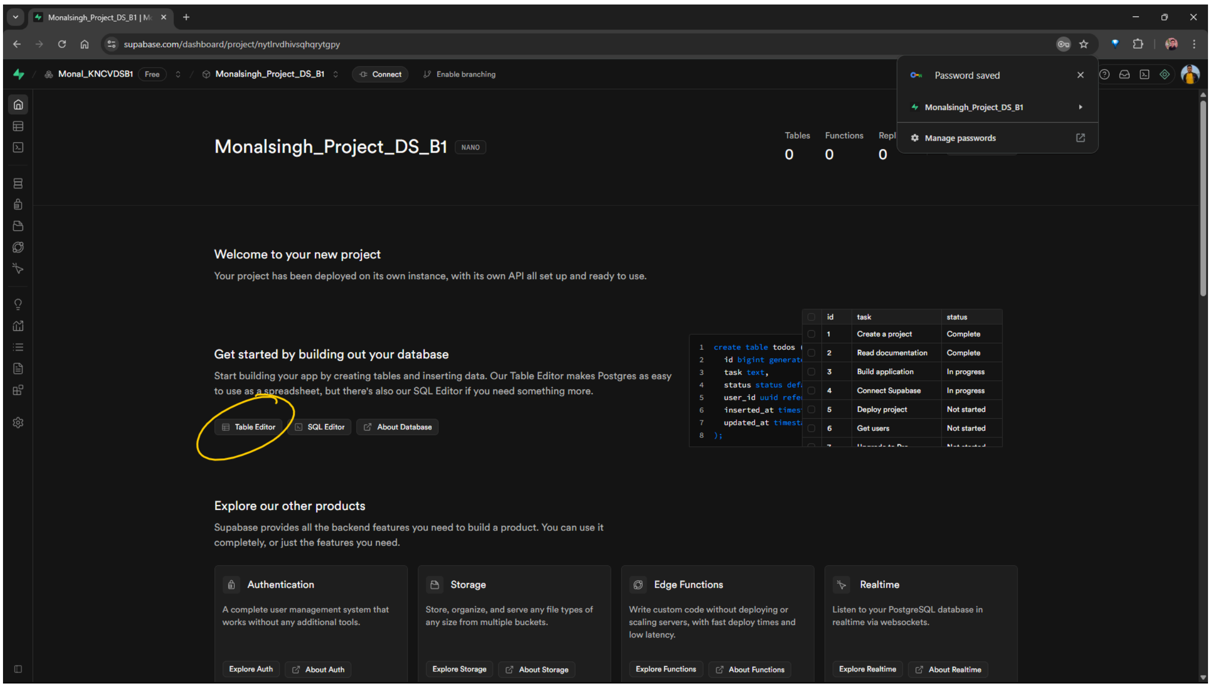
Database Password: ••••••••••••••• Copy

Note: If using the Postgres connection string, you will need to percent-encode the password

This password is strong. Generate a password

Region: South Asia (Mumbai)

Select the region closest to your users for the best performance.



Monalsingh_Project_DS_B1 NANO

Tables	Functions	Repl
0	0	0

Welcome to your new project

Your project has been deployed on its own instance, with its own API all set up and ready to use.

Get started by building out your database

Start building your app by creating tables and inserting data. Our Table Editor makes Postgres as easy to use as a spreadsheet, but there's also our SQL Editor if you need something more.

```
create table todos (
  id bigint generat
  task text,
  status status defa
  user_id uuid refe
  inserted_at times
  updated_at timest
);
```

id	task	status
1	Create a project	Complete
2	Read documentation	Complete
3	Build application	In progress
4	Connect Supabase	In progress
5	Deploy project	Not started
6	Get users	Not started
7	Upgrade to Pro	Not started

Explore our other products

Supabase provides all the backend features you need to build a product. You can use it completely, or just the features you need.

Authentication

A complete user management system that works without any additional tools.

Storage

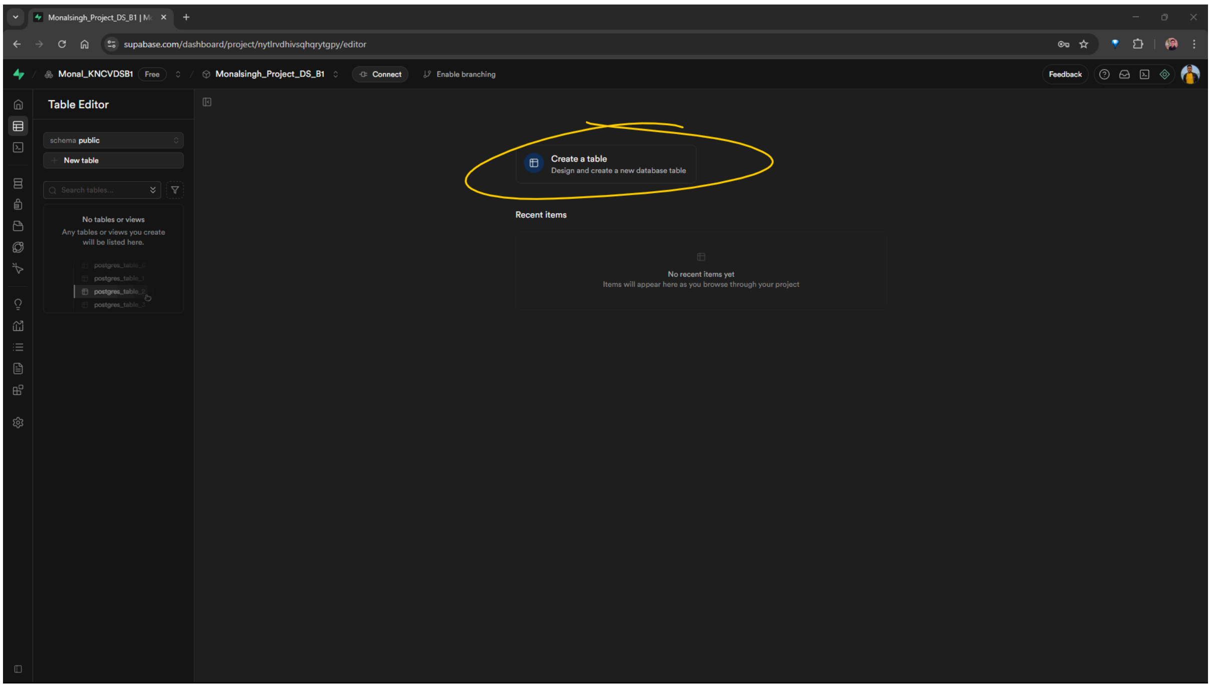
Store, organize, and serve any file types of any size from multiple buckets.

Edge Functions

Write custom code without deploying or scaling servers, with fast deploy times and low latency.

Realtime

Listen to your PostgreSQL database in realtime via websockets.



No tables or views

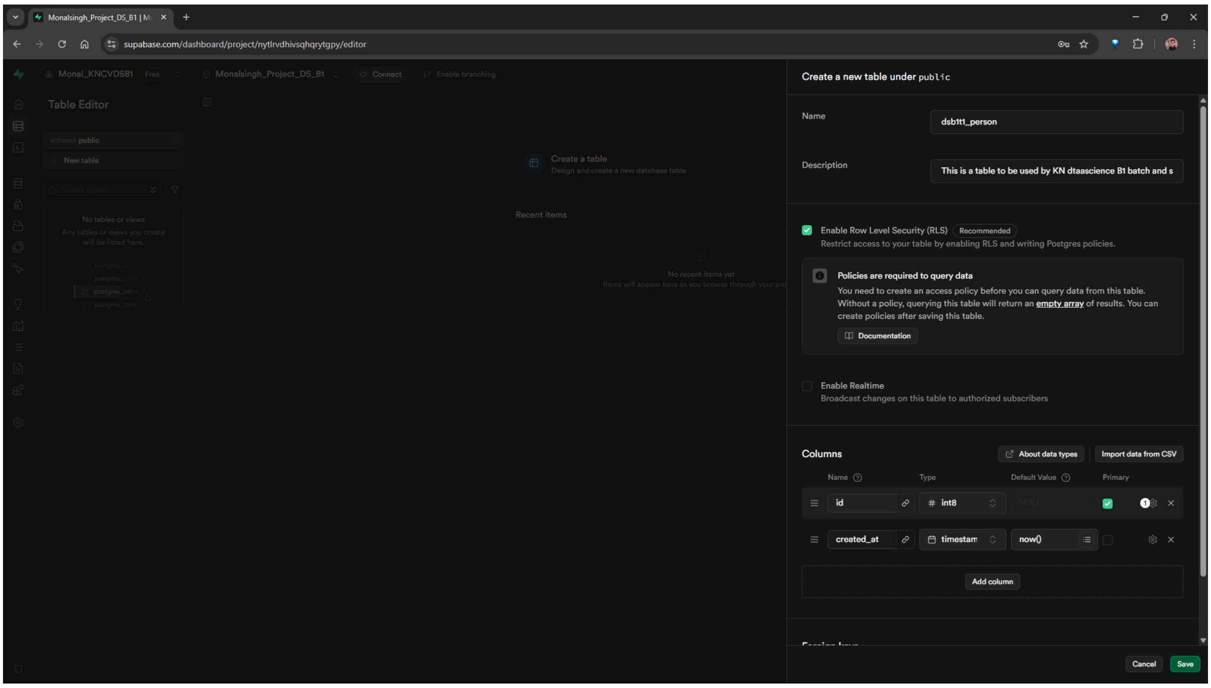
Any tables or views you create will be listed here.

Create a table

Design and create a new database table

No recent items yet

Items will appear here as you browse through your project



Monalsingh_Project_DS_B1 | M
supabase.com/dashboard/project/nytlrvdhivsqhqrytgpy/editor

Create a new table under `public`

Name: dsb1t1_person

Description: This is a table to be used by KN dtaascience B1 batch and s

☑ Enable Row Level Security (RLS) Recommended

Restrict access to your table by enabling RLS and writing Postgres policies.

Policies are required to query data

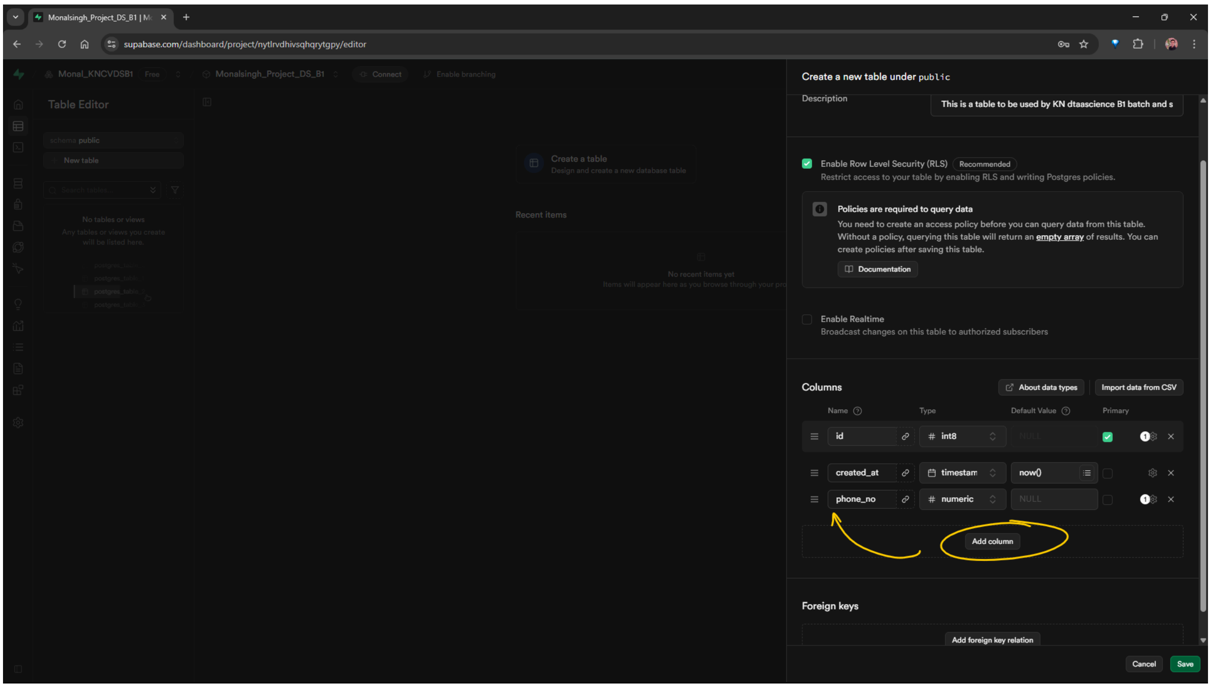
You need to create an access policy before you can query data from this table. Without a policy, querying this table will return an empty array of results. You can create policies after saving this table.

☐ Enable Realtime

Broadcast changes on this table to authorized subscribers

Columns

Name	Type	Default Value	Primary
id	int8	NULL	☑
created_at	timestam	now()	☐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supabase.com/dashboard/project/nytlrvdhivsqhqrytgpy/editor
Monal_KNCVDSB1 Free
Monalsingh_Project_DS_B1
Connect
Enable branching
Table Editor
schema public
New table
No tables or views
Any tables or views you create will be listed here.
Create a table
Design and create a new database table
Recent items
No recent items yet
Items will appear here as you browse through your pro

Create a new table under `public`

Description: This is a table to be used by KN dtaascience B1 batch and s

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Documentation

□ Enable Realtime
Broadcast changes on this table to authorized subscribers

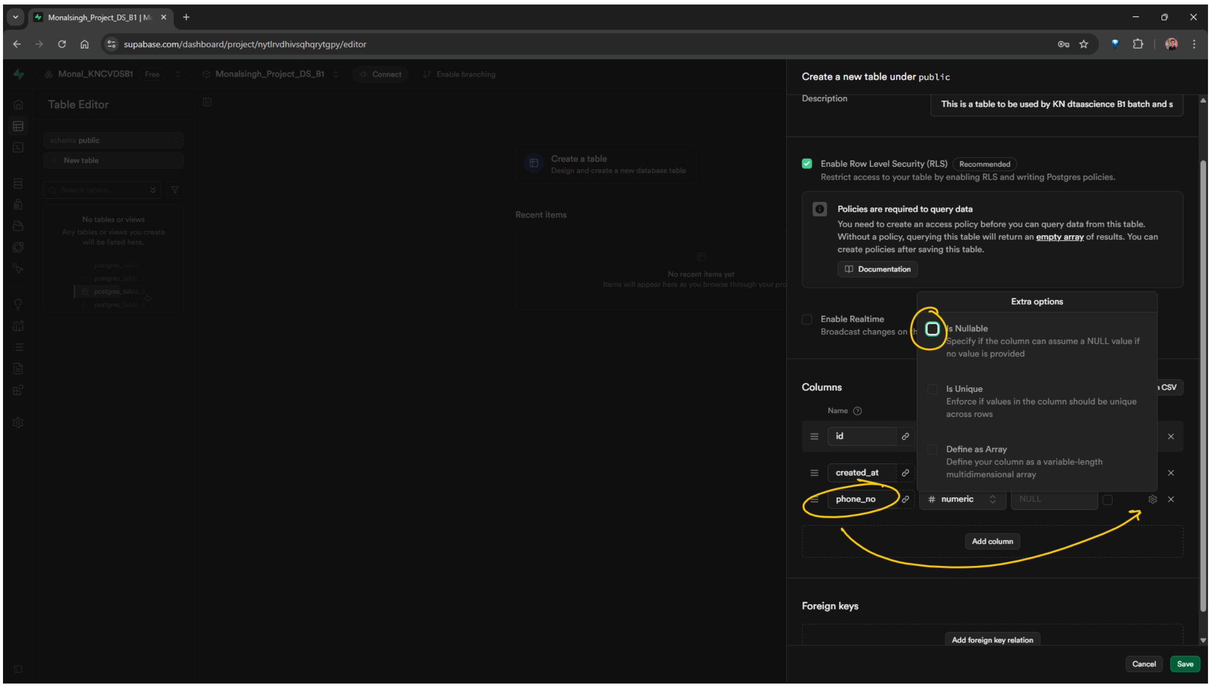
Columns — About data types — Import data from CSV

Name	Type	Default Value	Primary
id	# int8	NULL	☑
created_at	timestam	now()	□
phone_no	# numeric	NULL	□

Add column

Foreign keys
Add foreign key relation

Cancel Save


Monalsingh_Project_DS_B1 | M
supabase.com/dashboard/project/nytlrvdhivsqhqrytgpy/editor
Monal_KNCVDSB1 Free
Monalsingh_Project_DS_B1
Connect
Enable branching
Table Editor
schema public
New table
No tables or views
Any tables or views you create will be listed here.
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Design and create a new database table
Recent items
No recent items yet
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Policies are required to query data
You need to create an access policy before you can query data from this table. Without a policy, querying this table will return an empty array of results. You can create policies after saving this table.
Documentation

□ Enable Realtime
Broadcast changes on th

Extra options

□ Is Nullable
Specify if the column can assume a NULL value if no value is provided

□ Is Unique
Enforce if values in the column should be unique across rows

□ Define as Array
Define your column as a variable-length multidimensional array

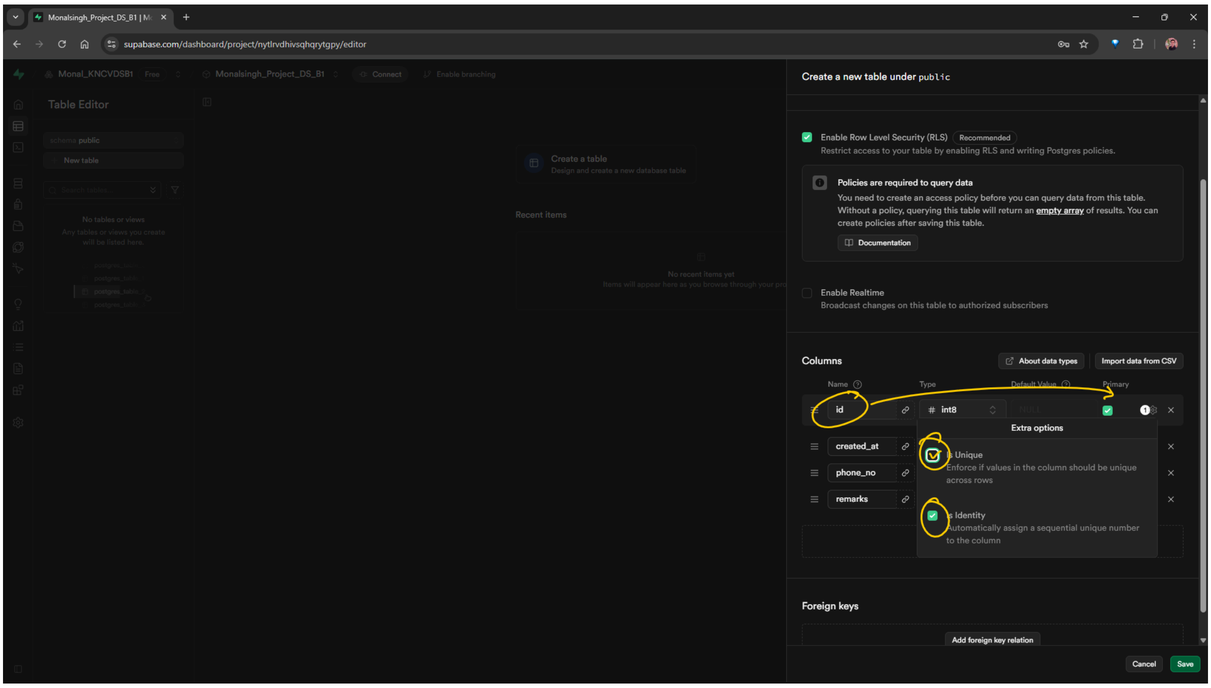
Columns

Name	Type	Default Value
id		
created_at		
phone_no	# numeric	NULL

Add column

Foreign keys
Add foreign key relation

Cancel Save



supabase.com/dashboard/project/nytlrvdhivsqhqrytgpy/editor

Create a new table under `public`

☑ Enable Row Level Security (RLS) Recommended
Restrict access to your table by enabling RLS and writing Postgres policies.

Policies are required to query data
You need to create an access policy before you can query data from this table. Without a policy, querying this table will return an **empty array** of results. You can create policies after saving this table.

☐ Enable Realtime
Broadcast changes on this table to authorized subscribers

Columns

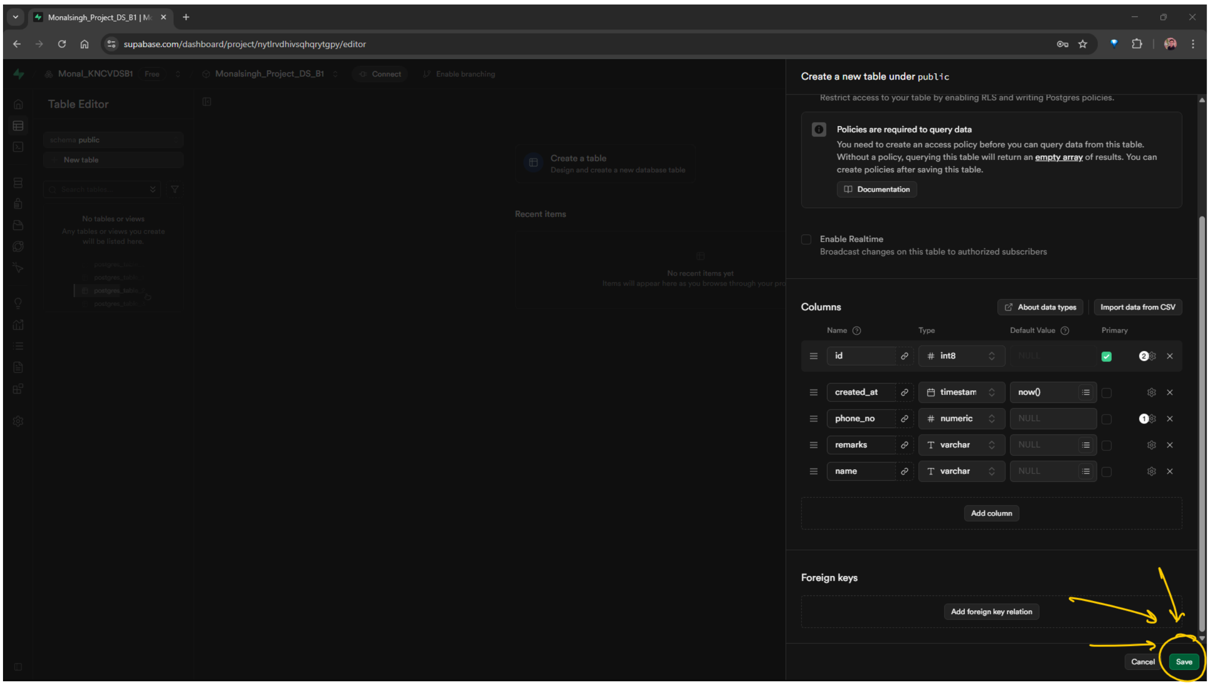
Name	Type	Default Value	Primary
id	int8	NULL	☑
created_at			
phone_no			
remarks			

Extra options

☑ Is Unique
Enforce if values in the column should be unique across rows

☑ Is Identity
Automatically assign a sequential unique number to the column

Foreign keys



supabase.com/dashboard/project/nytlrvdhivsqhqrytgpy/editor

Create a new table under `public`

Restrict access to your table by enabling RLS and writing Postgres policies.

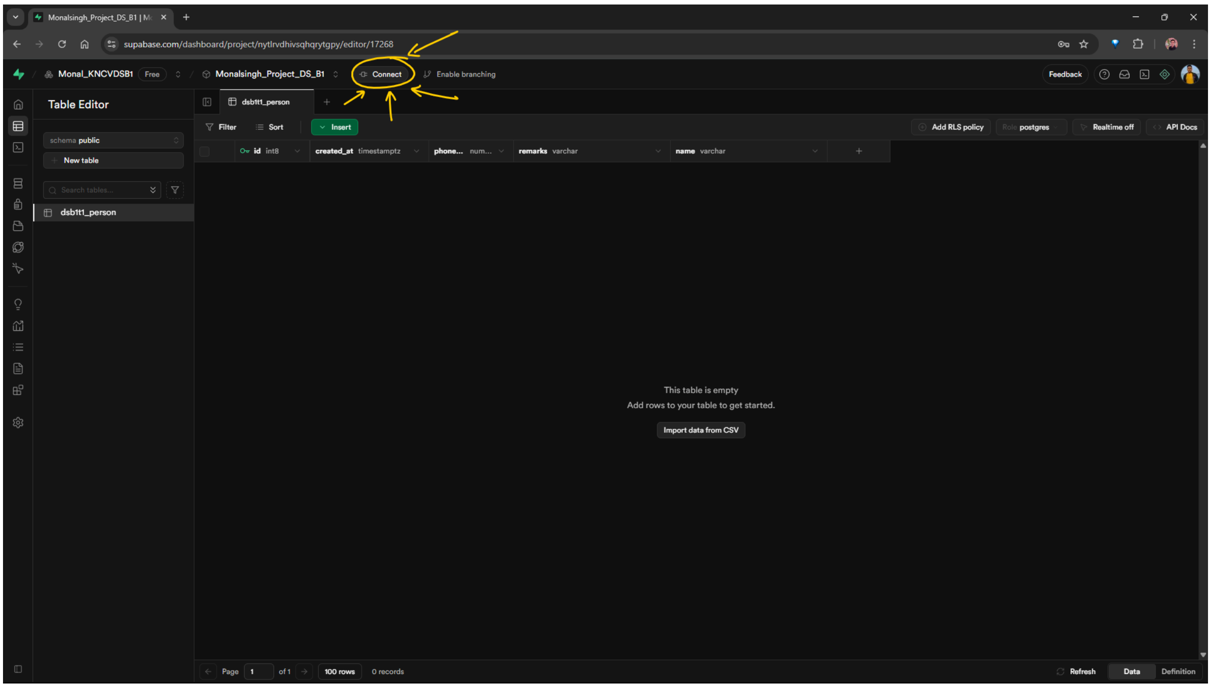
Policies are required to query data
You need to create an access policy before you can query data from this table. Without a policy, querying this table will return an **empty array** of results. You can create policies after saving this table.

☐ Enable Realtime
Broadcast changes on this table to authorized subscribers

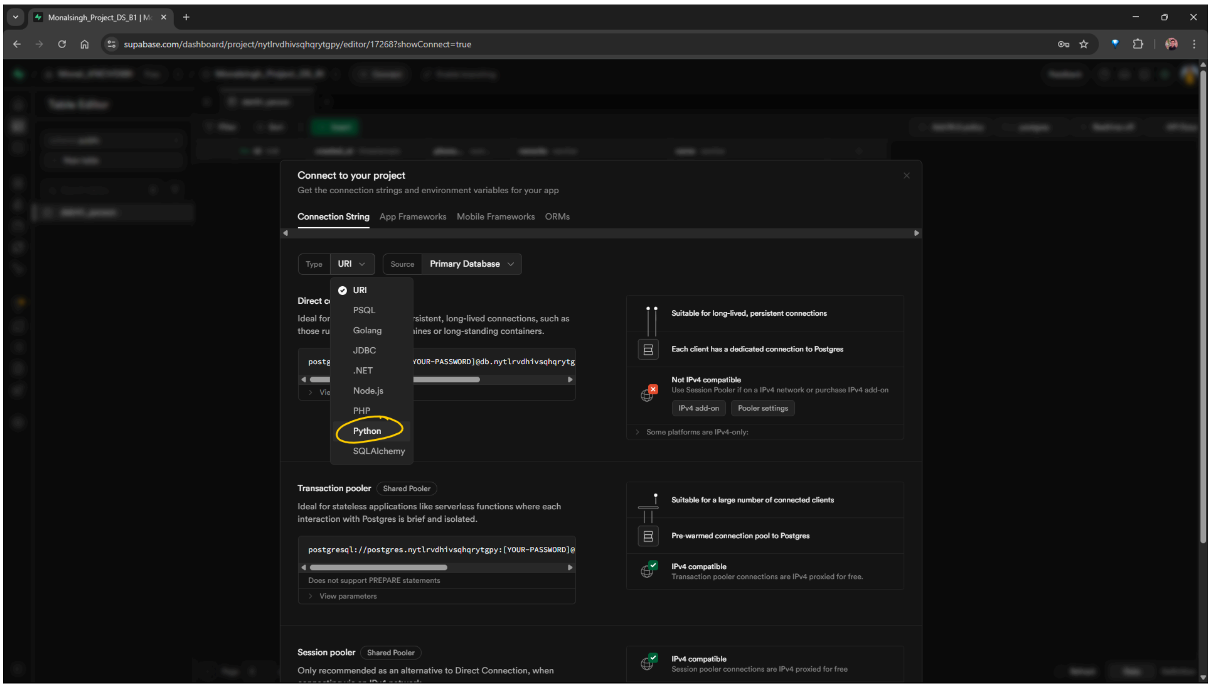
Columns

Name	Type	Default Value	Primary
id	int8	NULL	☑
created_at	timestam	now()	☐
phone_no	numeric	NULL	☐
remarks	varchar	NULL	☐
name	varchar	NULL	☐

Foreign keys



This table is empty
Add rows to your table to get started.



Connect to your project

Get the connection strings and environment variables for your app

Direct c

Ideal for ... rsistent, long-lived connections, such as those ru... ines or long-standing containers.

```
postg... YOUR-PASSWORD]@db.nytlrvdhivsqhqrytg
```

Suitable for long-lived, persistent connections

Each client has a dedicated connection to Postgres

Not IPv4 compatible
Use Session Pooler if on a IPv4 network or purchase IPv4 add-on

Some platforms are IPv4-only:

Transaction pooler

Ideal for stateless applications like serverless functions where each interaction with Postgres is brief and isolated.

```
postgresql://postgres.nytlrvdhivsqhqrytgpy:[YOUR-PASSWORD]@
```

Does not support PREPARE statements

Suitable for a large number of connected clients

Pre-warmed connection pool to Postgres

IPv4 compatible
Transaction pooler connections are IPv4 proxied for free.

Session pooler

Only recommended as an alternative to Direct Connection, when

IPv4 compatible
Session pooler connections are IPv4 proxied for free

PYTHON INSTRUCTION

Step - 1 : pip install python-dotenv psycopg2

Step - 2 : main.py

```
import psycopg2
from dotenv import load_dotenv
import os

# Load environment variables from .env
load_dotenv()

# Fetch variables
USER = os.getenv("user")
PASSWORD = os.getenv("password")
HOST = os.getenv("host")
PORT = os.getenv("port")
DBNAME = os.getenv("dbname")

# Connect to the database
try:
    connection = psycopg2.connect(
        user=USER,
        password=PASSWORD,
        host=HOST,
        port=PORT,
        dbname=DBNAME
    )
    print("Connection successful!")

    # Create a cursor to execute SQL queries
    cursor = connection.cursor()

    # Example query
    cursor.execute("SELECT NOW();")
    result = cursor.fetchone()
    print("Current Time:", result)

    # Close the cursor and connection
    cursor.close()
    connection.close()
    print("Connection closed.")

except Exception as e:
    print(f"Failed to connect: {e}")
```

Step - 3 :

Choose type of connection

Direct connection : Ideal for applications with persistent, long-lived connections, such as those running on virtual machines or long-standing containers.

```
DATABASE_URL=postgresql://postgres:[YOUR-PASSWORD]@db.nytlrvdhivsqhqrytgpy.supabase.co:5432/postgres
```

Transaction pooler : Ideal for stateless applications like serverless functions where each interaction with Postgres is brief and isolated.

```
user=postgres.nytlrvdhivsqhqrytgpy
password=[YOUR-PASSWORD]
host=aws-0-ap-south-1.pooler.supabase.com
port=6543
dbname=postgres
```

Session pooler :Only recommended as an alternative to Direct Connection, when connecting via an IPv4 network.

```
user=postgres.nytlrvdhivsqhqrytgpy
password=[YOUR-PASSWORD]
host=aws-0-ap-south-1.pooler.supabase.com
port=5432
dbname=postgres
```

Connecting to SQL Alchemy

Please use postgresql:// instead of postgres:// as your dialect when connecting via SQLAlchemy.

Example:create_engine("postgresql+psycopg2://...")