

Prisma Column Table Update

how is this prisma working
suppose i have to add a new column in a table or new to
create a new table

Prisma is an **ORM (Object-Relational Mapper)** for Node.js and TypeScript, often used with PostgreSQL, MySQL, SQLite, and other relational databases. It helps you manage your database schema and perform database operations in a type-safe way.

How Prisma Works (Simplified Flow)

1. You define your data model in `schema.prisma`.
2. You run a migration, which generates SQL to change your actual database.
3. Prisma generates types and a client to interact with the DB using JavaScript/TypeScript.

Adding a New Column or Creating a New Table

Suppose you're using PostgreSQL and Prisma is already set up in your project.

1. Modify `schema.prisma`

Example: Adding a column

You have this model:

```
prisma

model User {
  id    Int    @id @default(autoincrement())
  email String @unique
}
```

You want to add a `name` column:

```
prisma
```

```
model User {
  id    Int    @id @default(autoincrement())
  email String @unique
  name  String? // optional column
}
```

Example: Creating a new table

prisma

```
model Post {
  id      Int    @id @default(autoincrement())
  title   String
  content String?
  userId  Int
  user    User   @relation(fields: [userId], references: [id])
}
```

✓ 2. Run a Migration

After editing `schema.prisma`, run:

bash

```
npx prisma migrate dev --name add-name-to-user
```

- This creates a SQL migration file.
- Applies the change to your dev database.
- Regenerates the Prisma Client.

✓ 3. Use the Prisma Client

Now, in your code, you can use:

ts

```
const user = await prisma.user.create({
  data: {
    email: 'test@example.com',
    name: 'Alice'
  }
});
```

Summary

Task	Action
Add column	Edit model in <code>schema.prisma</code>
Create new table	Add new model in <code>schema.prisma</code>
Apply schema changes	<code>npx prisma migrate dev --name ...</code>
Use in code	Use the generated Prisma Client

Let me know if you want a quick step-by-step for setting up Prisma or connecting it to your database.