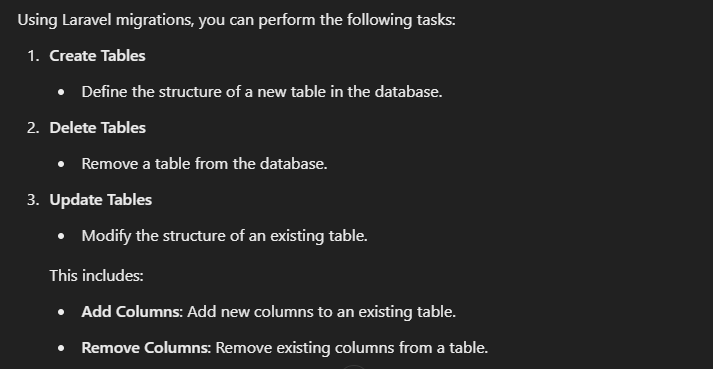
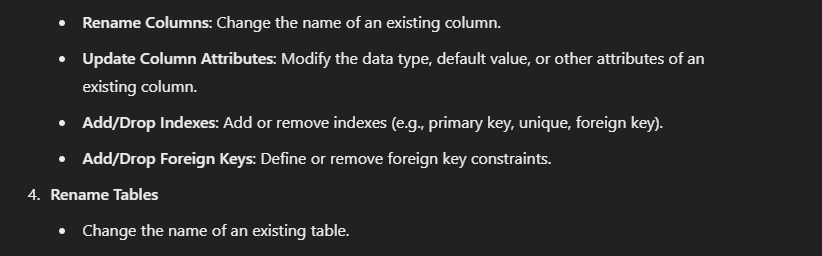
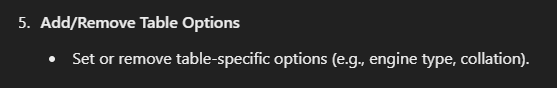
Migration

Migration দিয়ে আমরা টেবিল create,delete,update(column add,remove,update) করতে পারি।

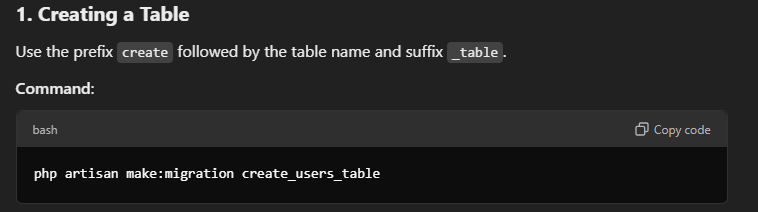
* Migrations allow you to **create**, **delete**, and **update** tables.
* Updates include adding, removing, renaming, and modifying columns or tables, as well as handling indexes and constraints.

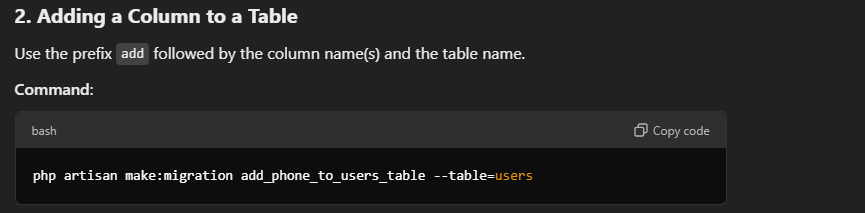


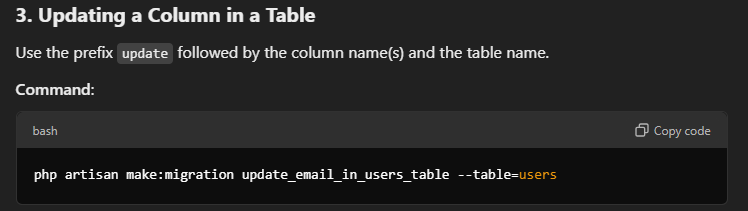


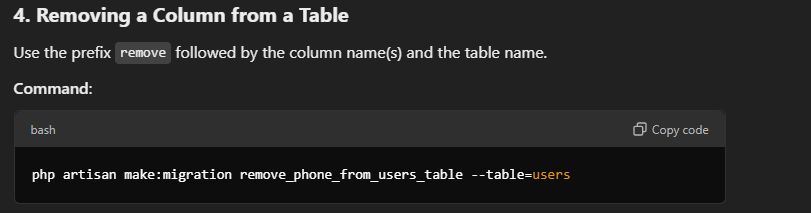
Migration Create করার জন্য Naming Format Follow করতে হয়:

Sanke Case Follow করতে হয়।

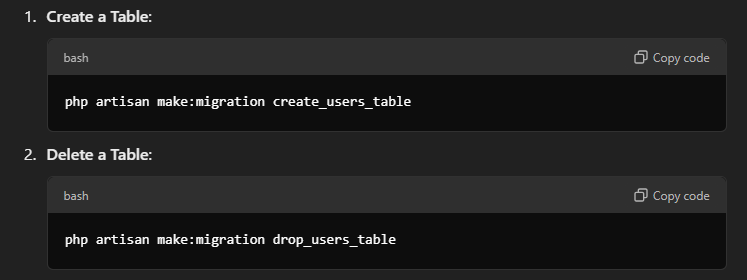


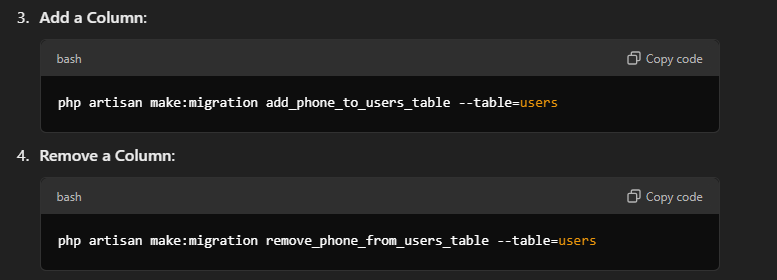


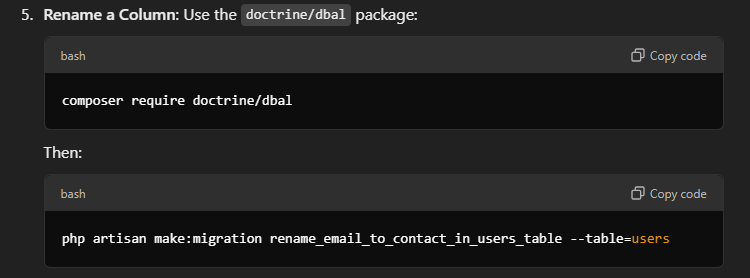


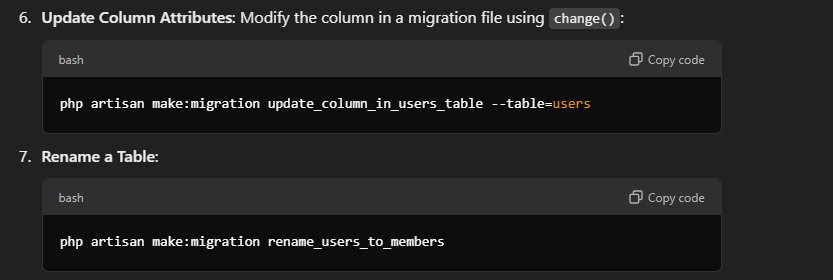


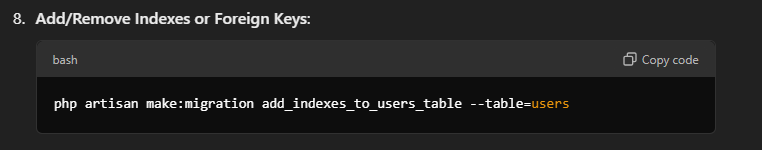
Create Delete Update এর সকল Syntax:





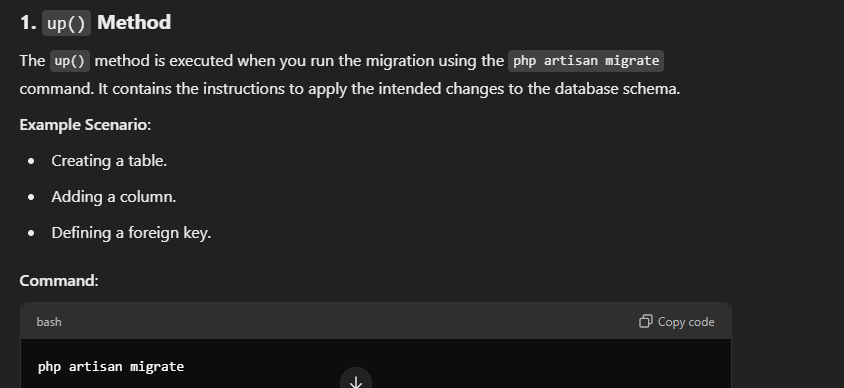


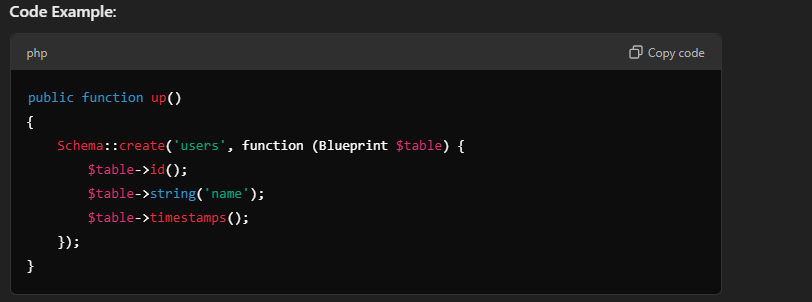




UP()

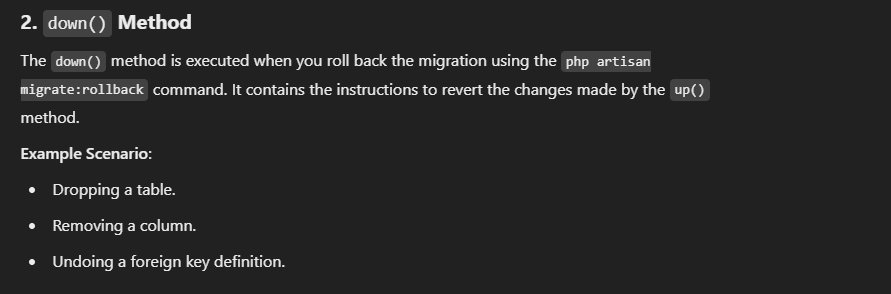
Php artisan:migrate execute হলে এটা call হবে।





Down()

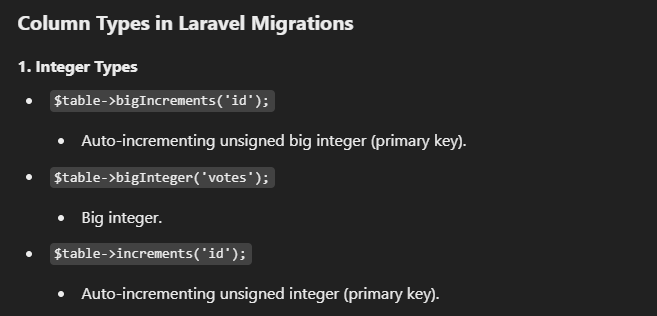
এটা দিয়ে create কৃত জিনিস ডিলিট/রিভার্স করার জন্য ব্যবহৃত হবে।

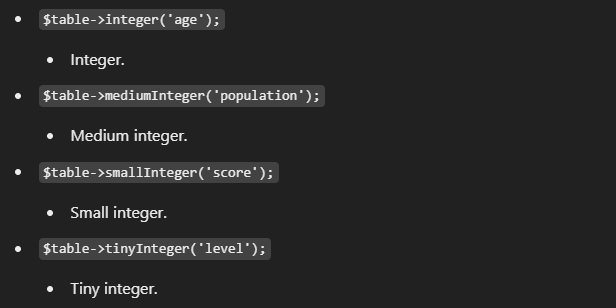


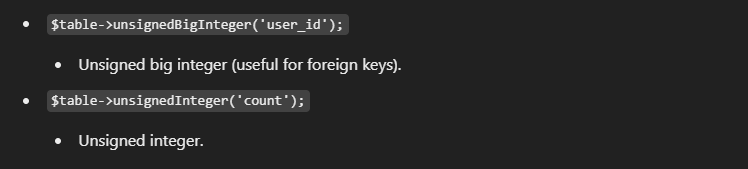


যে সকল ডাটাটাইপ ডাটাবেসে এর টেবিল এ দিতে পারব তার লিস্ট+কিভাবে ব্যবহার করব।

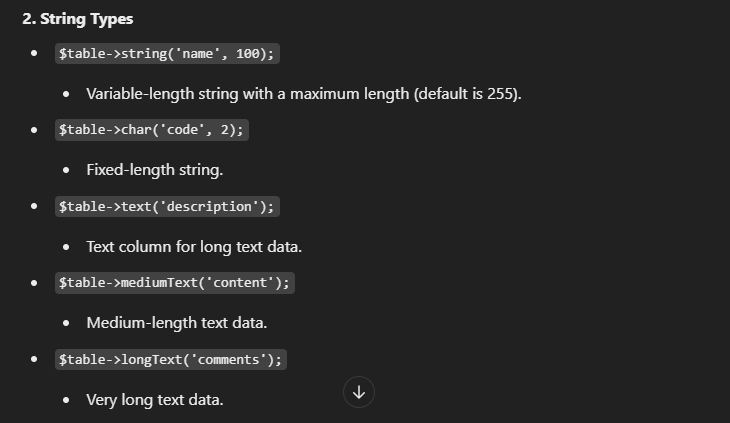
Integer:



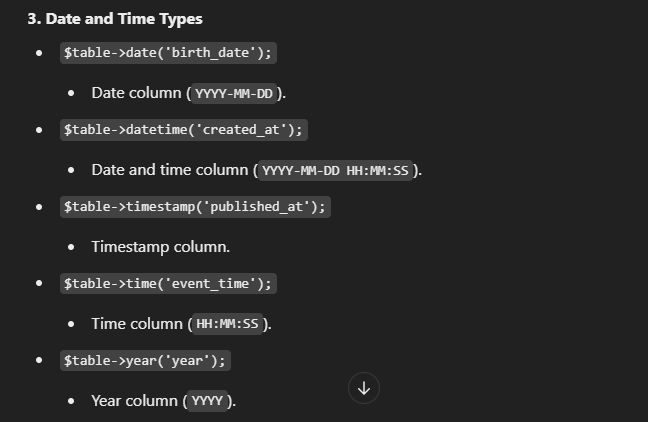




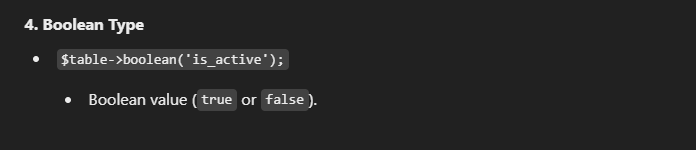
String



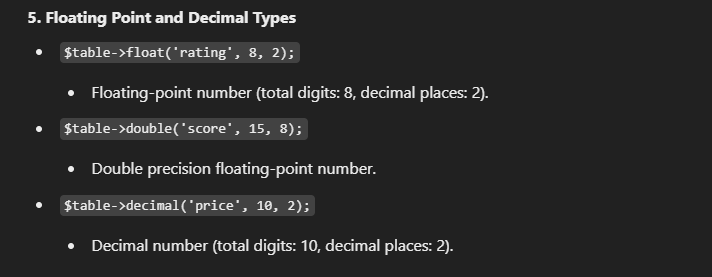
Date Time



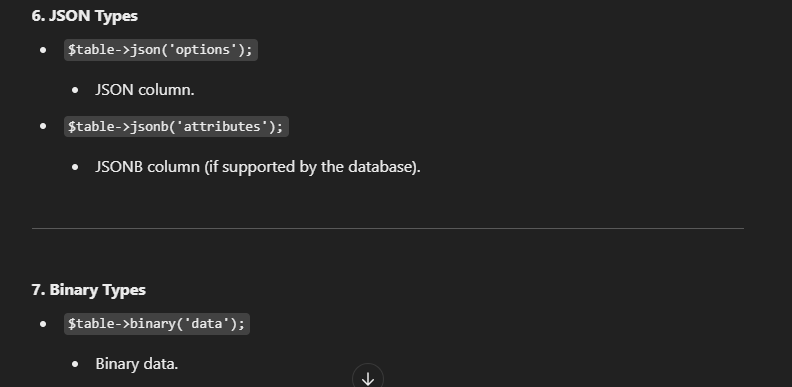
Boolean



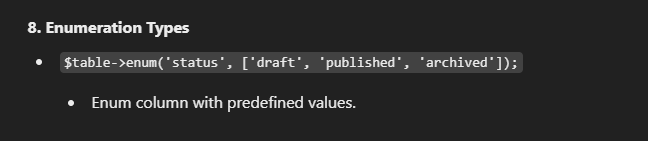
Floating Point And Decimal Types



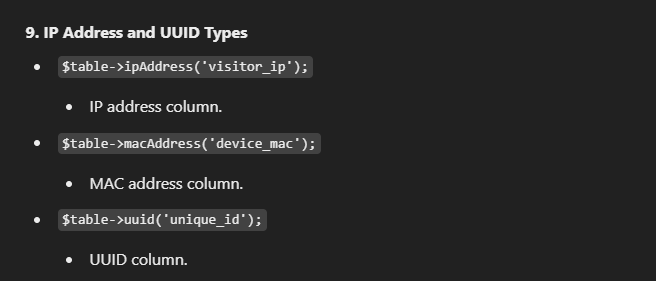
Json and Binary



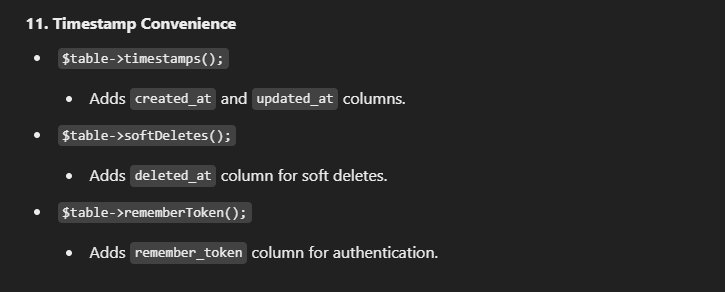
Enumeration

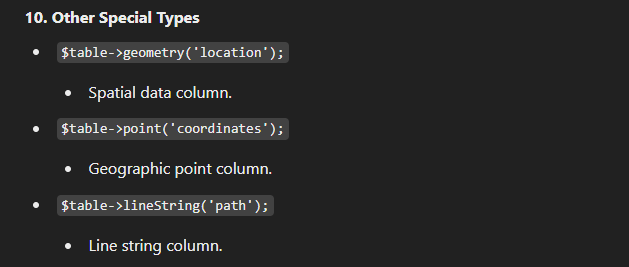


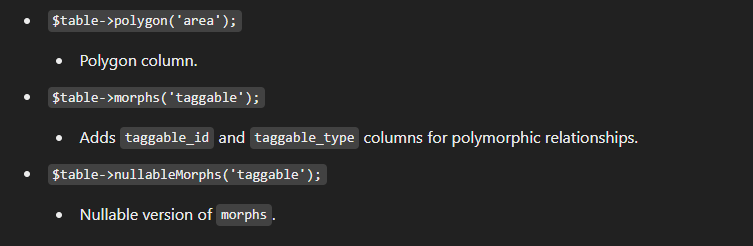
IP address

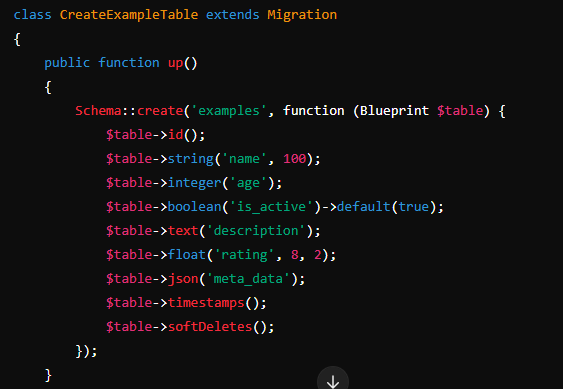
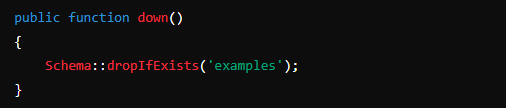


Timestamp





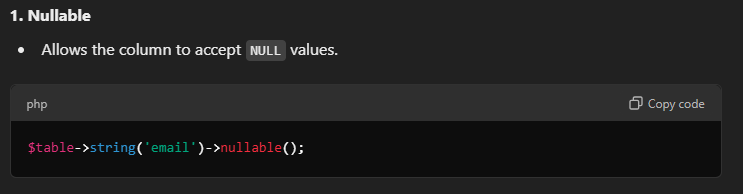




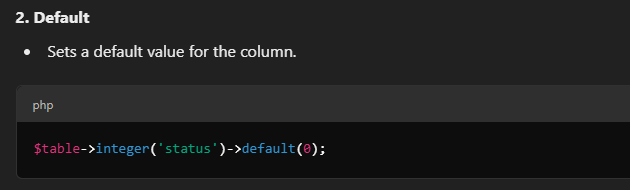
Column Attribute:

Column এ যে সকল Attribute apply করা যায় তার লিস্ট দেয়া হল:

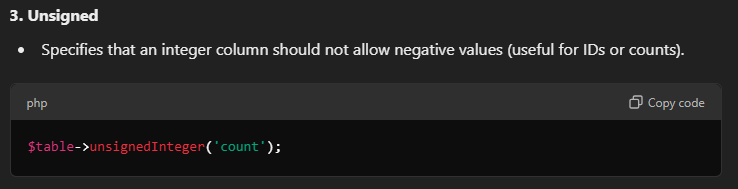
Nullable:



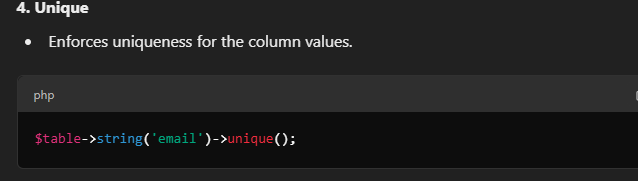
2.Default



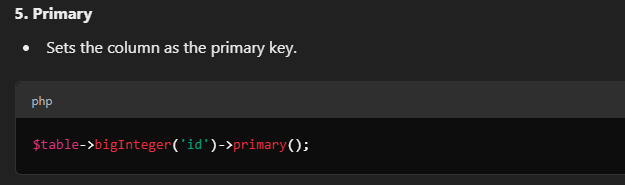
3.Unsigned



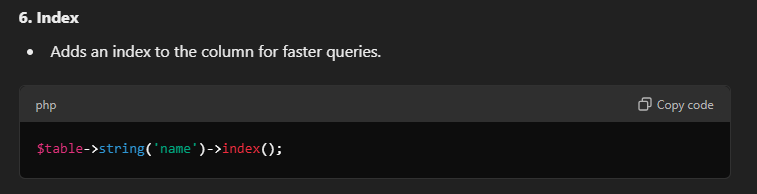
4.Unique



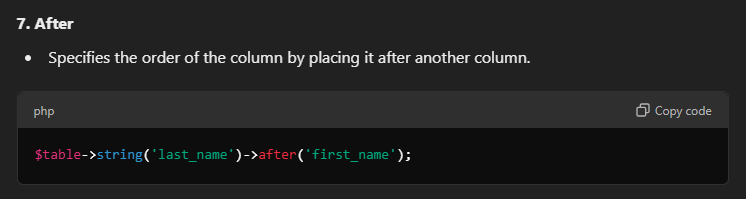
5.Primary



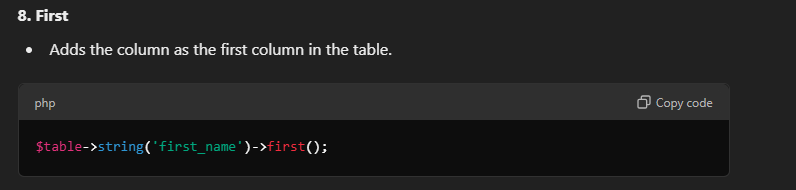
Index



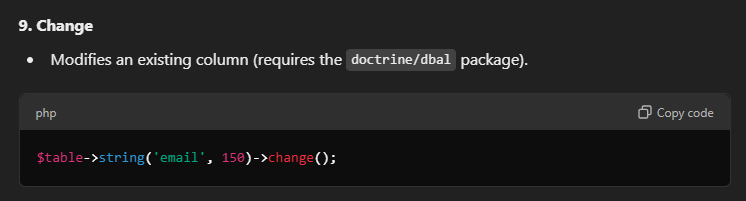
After



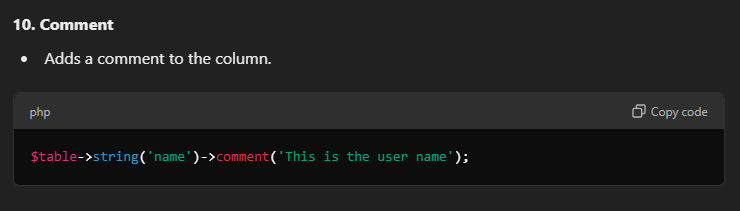
First



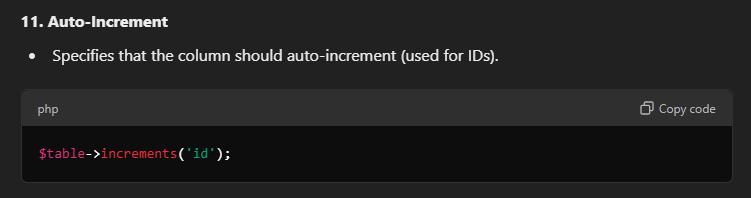
Change



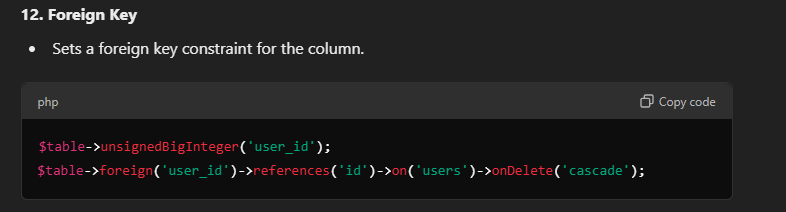
Comment



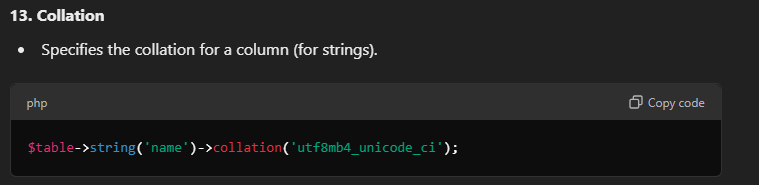
Auto Increament



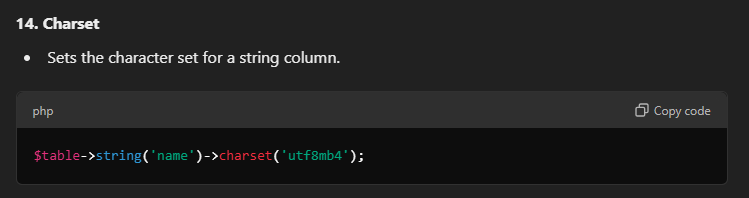
Foreign



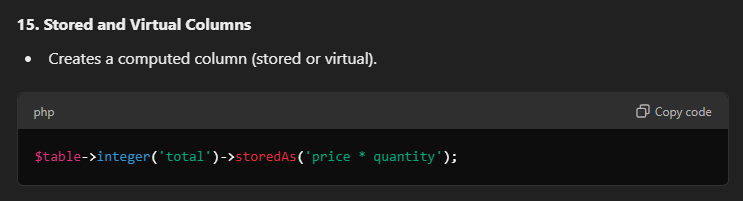
Collation



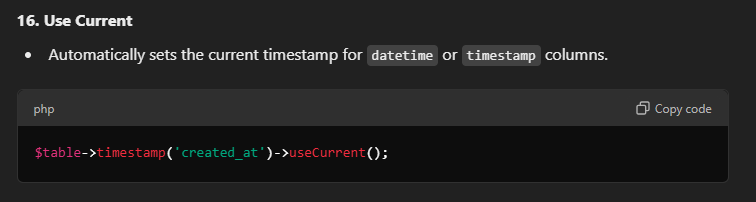
Charset



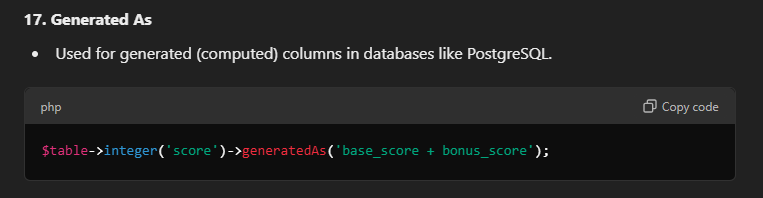
Stored and Virtual Columns



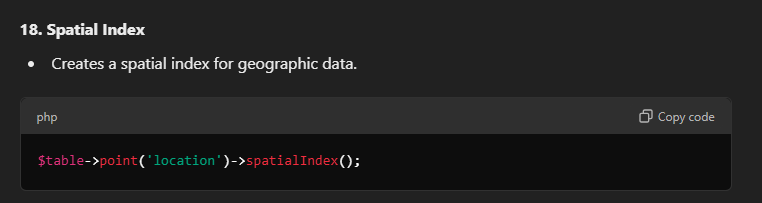
Use Current

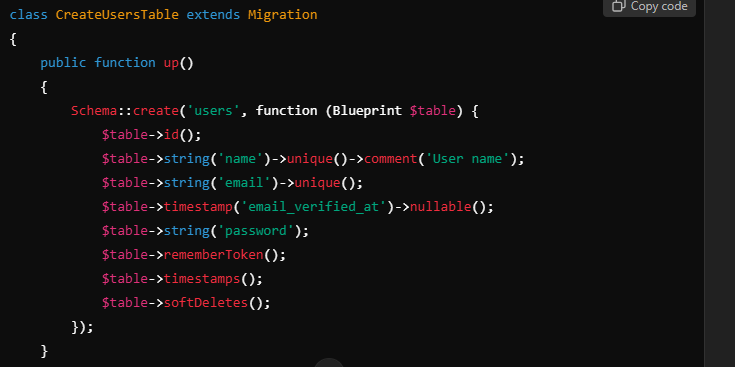


Generated As



Spatial Index

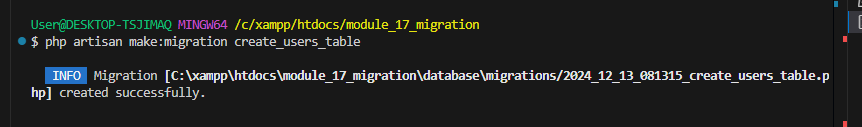




Real Example:

1.Create Users Table

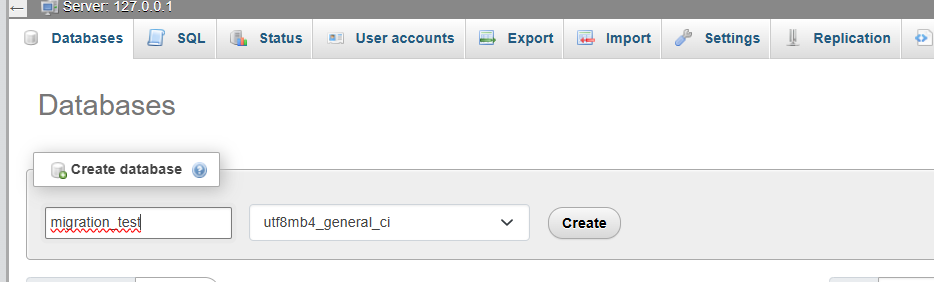
Php artisan make:migration create\_users\_table



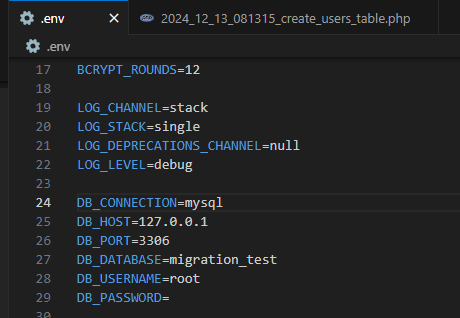
Create table



Database Create



Database এর সাথে লিঙ্ক



Migration

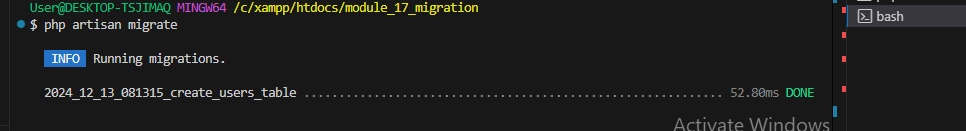
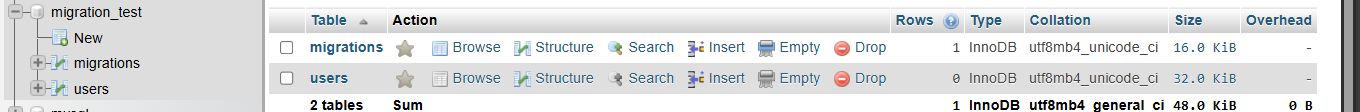


Table Created



Migration Table যা automatically create হবে এখানে migration এর History থাকে।



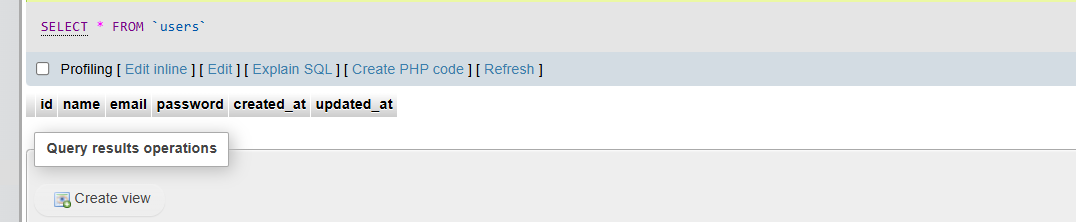
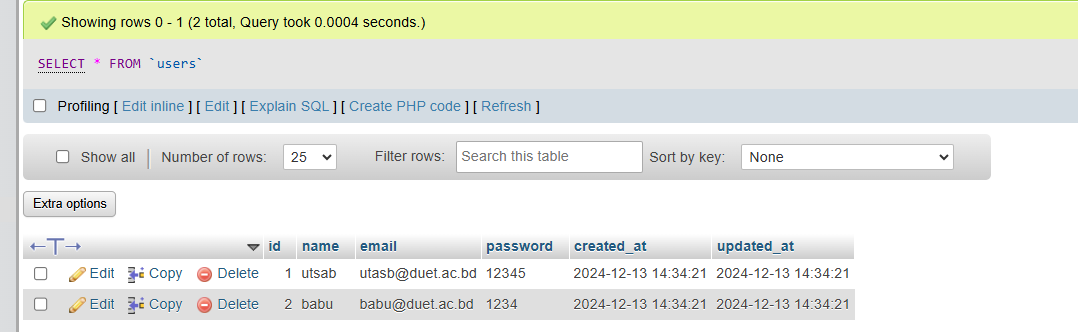


Table এ ডাটা ইনসার্ট:



**Rollback:**

Rollback করলে পূর্বের migration delete হবে এবং যদি ঐ টেবিল এ ডাটা থাকে তাহলে ঐ ডাটাও ডিলিট হয়ে যাবে।

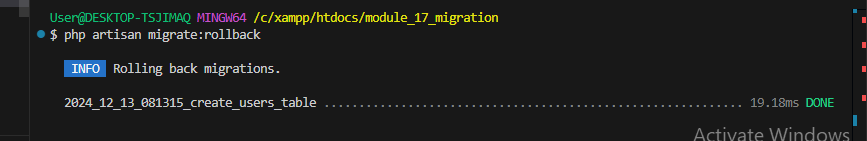
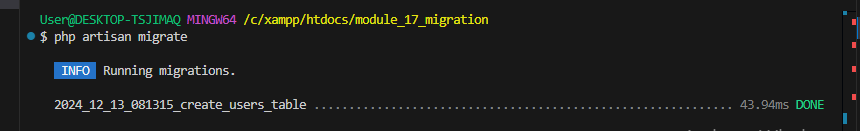
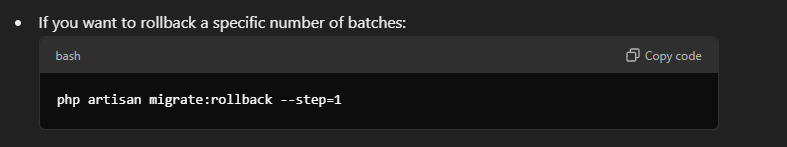


Table delete হয়ে যাবে:

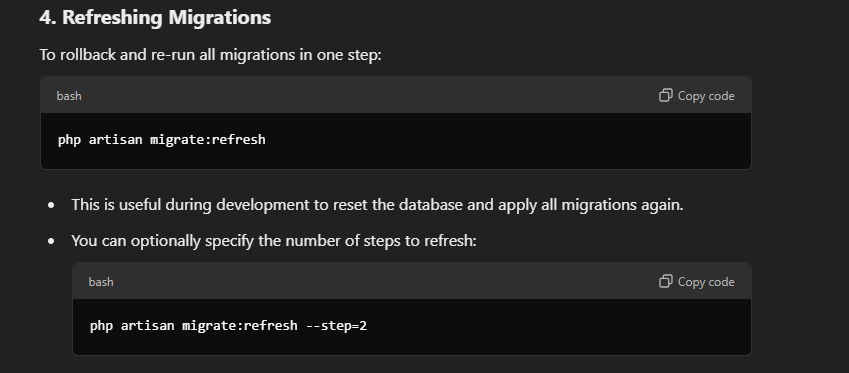


পূর্বের Table ফিরে পেতে চাইলে আবার migration create করব(ডাটা insert করতে হবে আবার।)

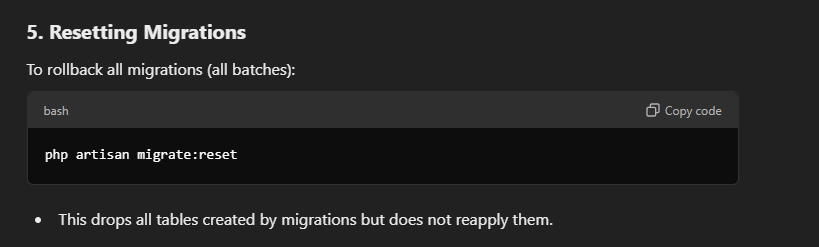




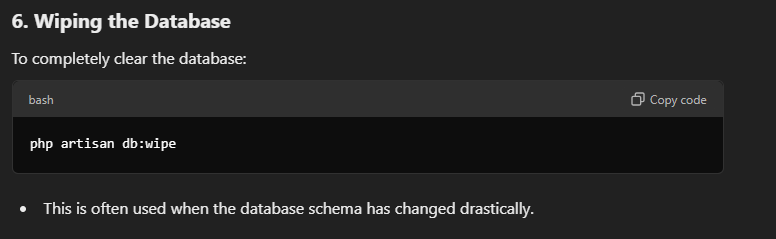
**Refresh**: এর মাধ্যমে migration সব rollback(ডিলিট হবে/টেবিল ডিলিট হবে) হবে এবং নতুন করে সব migration create(টেবিল create) হবে।



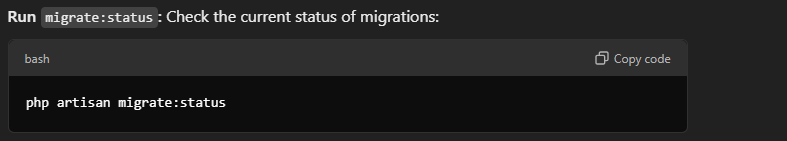
**Reset(সব migration delete হয়ে যাবে তবে নতুন করে migration চলবে ন।)**



Wiping The Database:

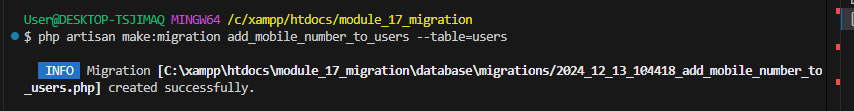


Migration Status



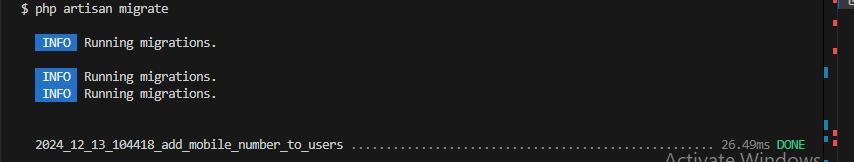
**Add New Column:**

**Migration create:**





Migration:

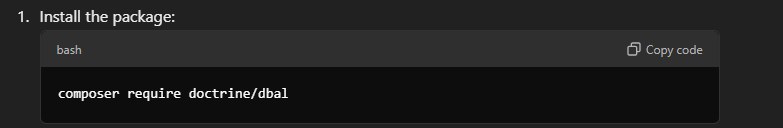


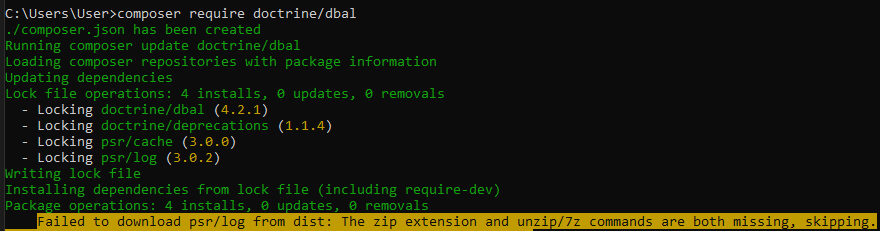
Migration Table এ সব রেকর্ড হচ্ছে:



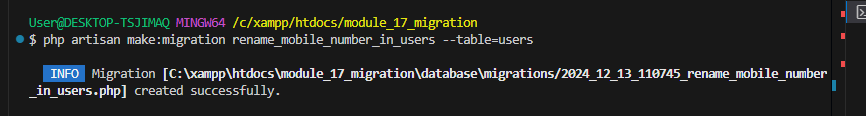
**Rename Column:**

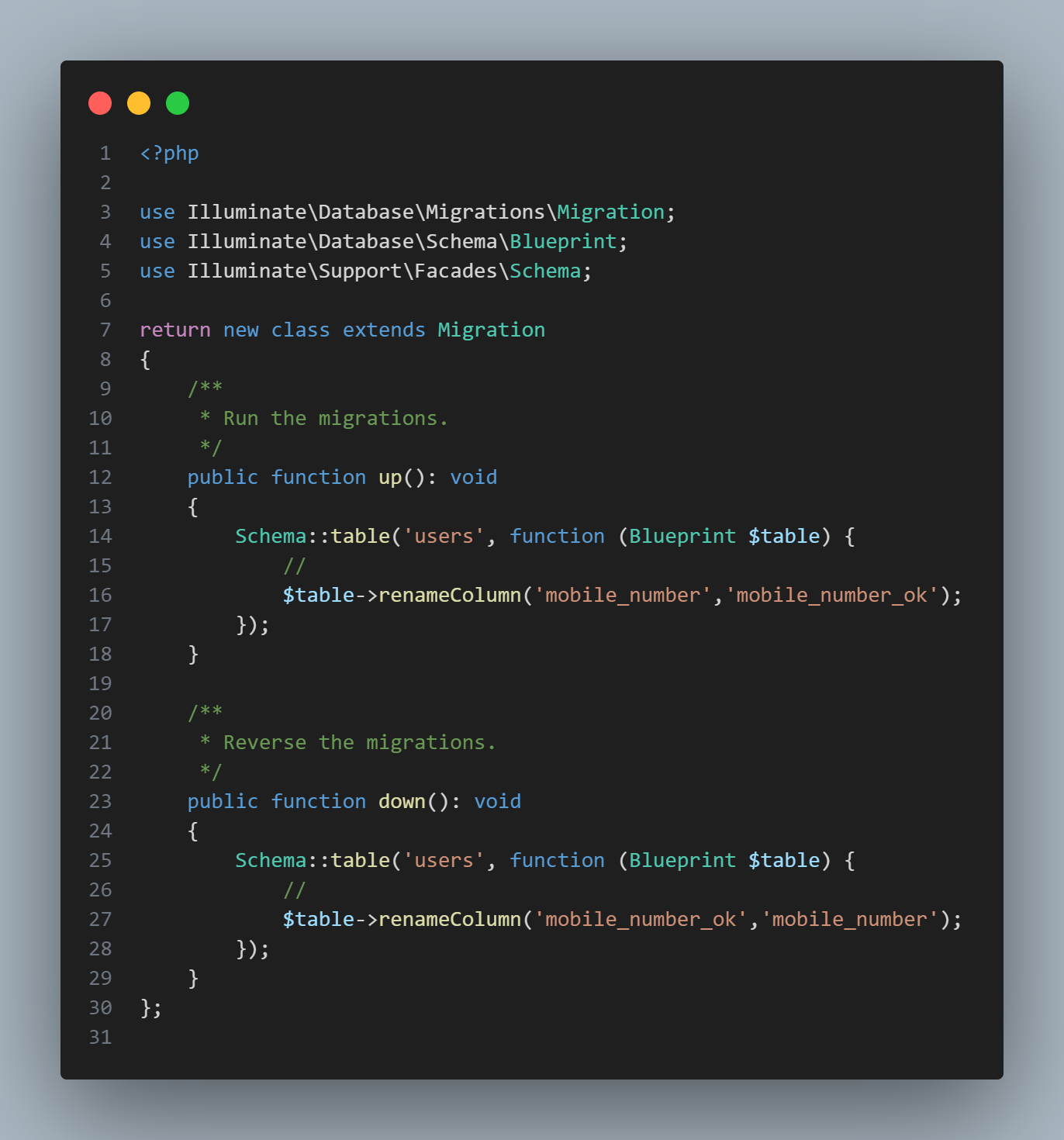
Rename এর জন্য package install করতে হবে



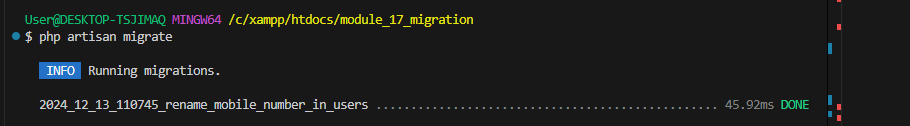


Migration Create করব:

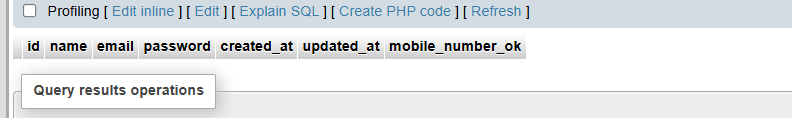




Migration Execute (database এ store):

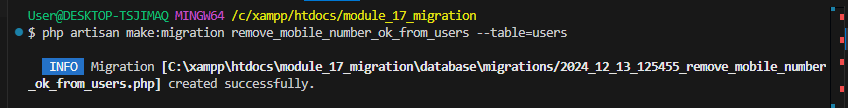


Rename হয়েছে



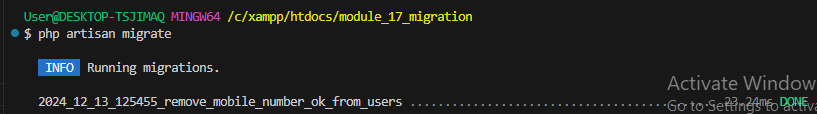
**Remove Column Name:**

**Migration Create**

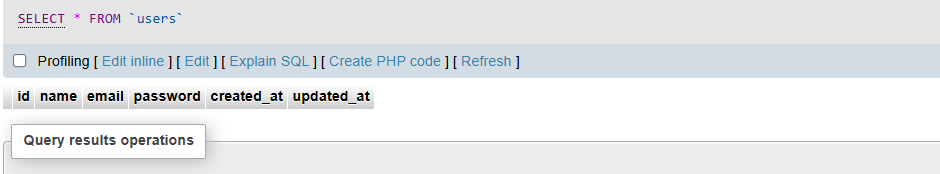




Migration Execute



Column Deleted



Update Column:

Migration Create:

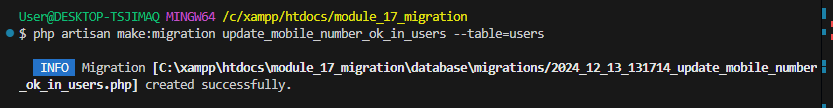




Table Store



Table এর property change হয়ে গেছে:



**Table Rename:**

Migration Create

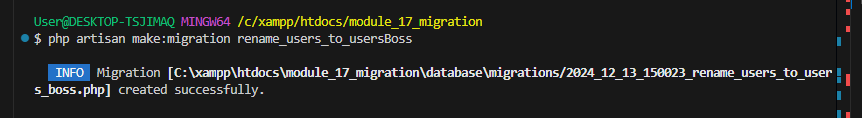
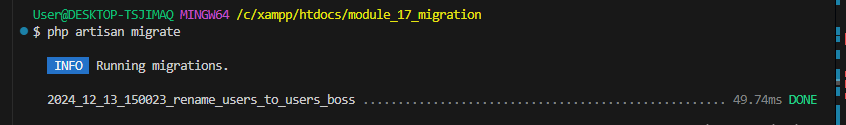
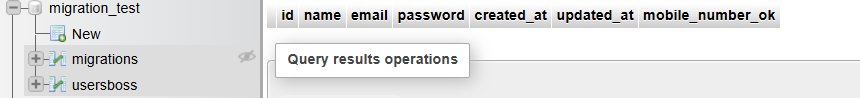




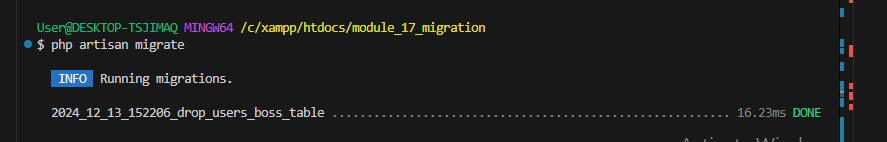
Table Rename To Database(ডাটাবেসে পরিবর্তন।)





**DROP TABLE**

**Migration Create:**





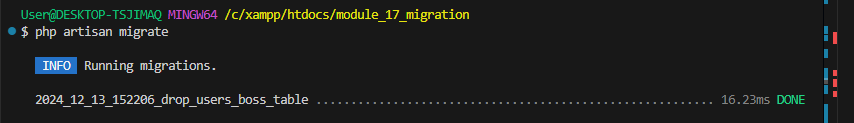


Table Deleted

