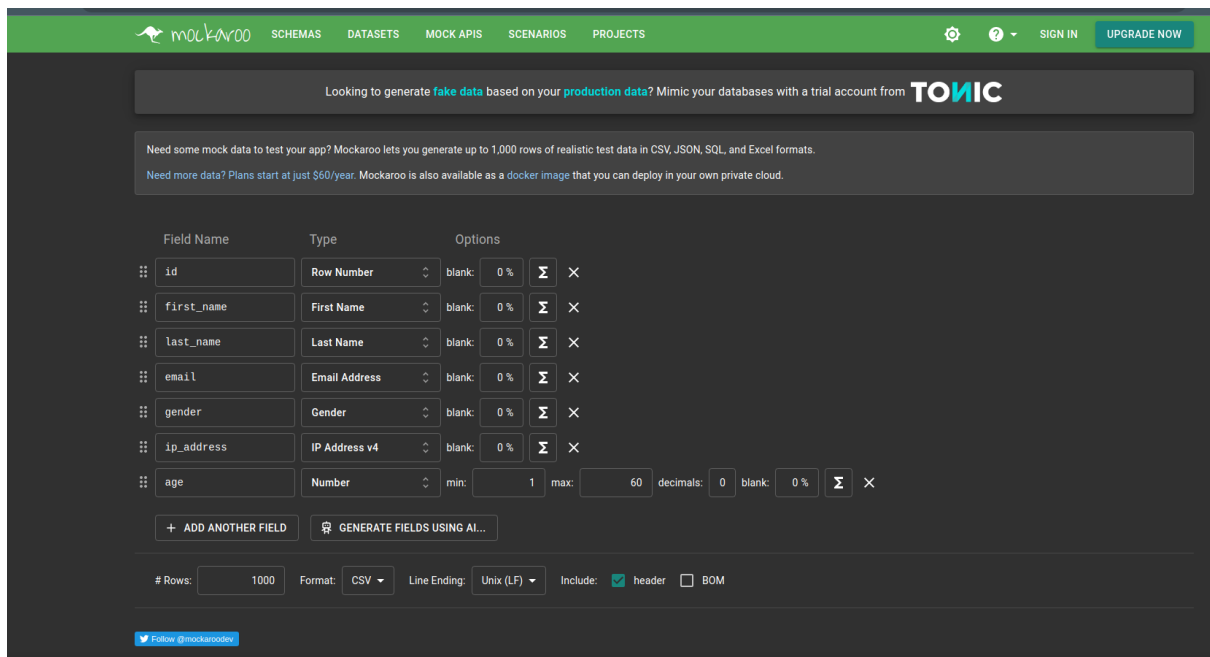


## Data generator tool:



Mockaroo interface for generating fake data. The header includes navigation links: SCHEMAS, DATASETS, MOCK APIS, SCENARIOS, PROJECTS, and buttons for SIGN IN and UPGRADE NOW. A banner promotes TONIC for generating fake data from production data. The main area shows a table of fields to generate:

Field Name	Type	Options
id	Row Number	blank: 0 %
first_name	First Name	blank: 0 %
last_name	Last Name	blank: 0 %
email	Email Address	blank: 0 %
gender	Gender	blank: 0 %
ip_address	IP Address v4	blank: 0 %
age	Number	min: 1 max: 60 decimals: 0 blank: 0 %

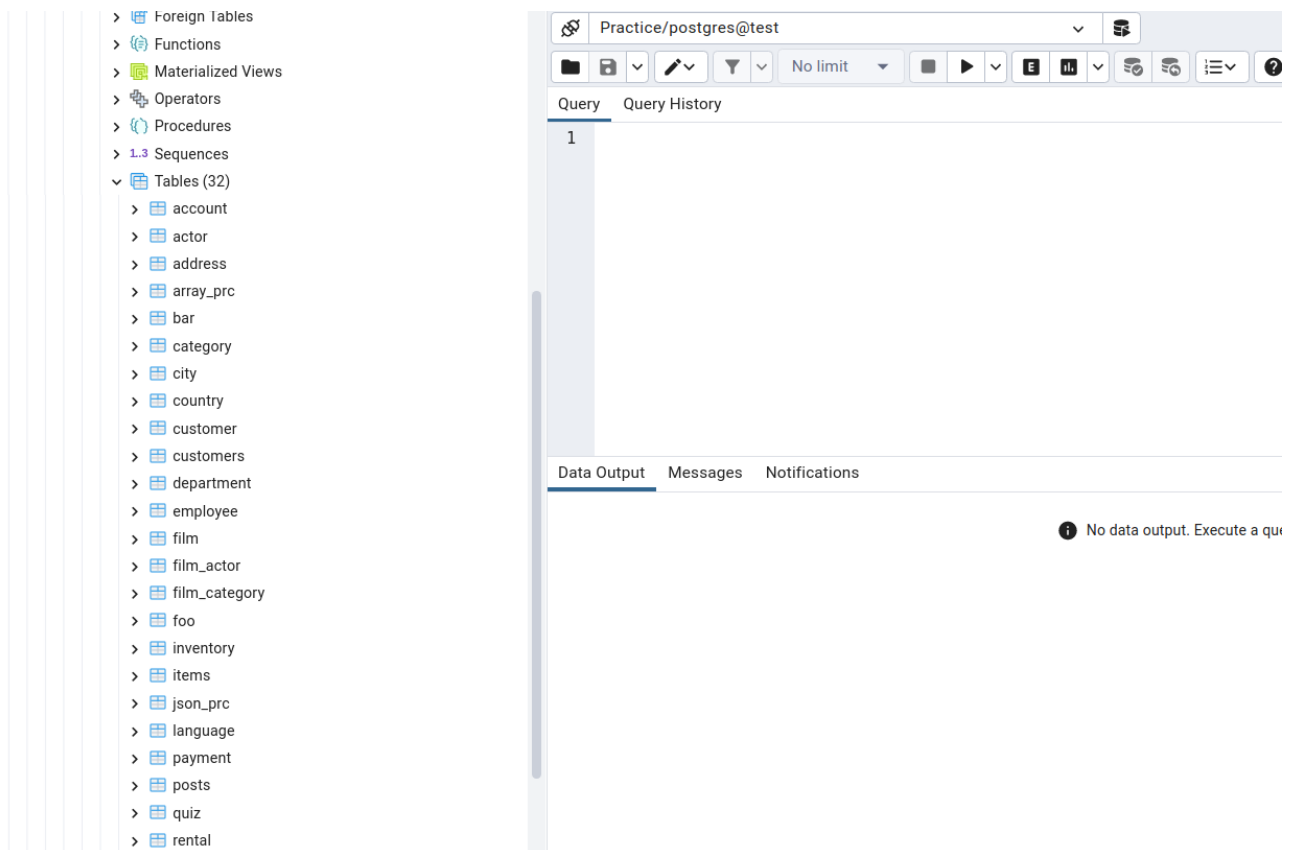
Buttons: + ADD ANOTHER FIELD, GENERATE FIELDS USING AI...

Configuration: # Rows: 1000, Format: CSV, Line Ending: Unix (LF), Include: ☒ header ☐ BOM

Follow @mockaroolabs

## Data Migration:

### Postgres: database tables for migration



Postgres database interface showing a list of tables and a query editor.

**Table List:**

- > Foreign Tables
- > Functions
- > Materialized Views
- > Operators
- > Procedures
- > 1.3 Sequences
- ✓ **Tables (32)**
  - > account
  - > actor
  - > address
  - > array\_prc
  - > bar
  - > category
  - > city
  - > country
  - > customer
  - > customers
  - > department
  - > employee
  - > film
  - > film\_actor
  - > film\_category
  - > foo
  - > inventory
  - > items
  - > json\_prc
  - > language
  - > payment
  - > posts
  - > quiz
  - > rental

**Query Editor:** Practice/postgres@test

Query: 1

Buttons: No limit, Execute, Refresh, etc.

Output: Data Output, Messages, Notifications

Message: No data output. Execute a query

## Database Migration Tools: ESF migration tool

### Postgres Connection:

ESF Database Migration Toolkit - Pro - TRIAL

**Choose a Data Source**  
From where do you want to copy data? You can copy data from one of the following sources.

Source: PostgreSQL

Server: 192.168.6.65 Port: 5432

Username: postgres

Password: \*\*\*\*

Database: postgres

Schema: public

About Settings Load Job

<< Back Next >> Exit

### SQL server connection:

ESF Database Migration Toolkit - Pro - TRIAL

**Choose a Destination**  
To where do you want to copy data? You can copy data to one of the following destinations.

Destination: Microsoft SQL Server

Server: localhost\SQLEXPRESS Port: 0

Username: sa

Password:

Database: migration

Schema: dbo

About Settings Load Job

<< Back Next >> Exit

# Migration Process:

ESF Database Migration Toolkit - Pro - TRIAL

Select Source Table(s) & View(s)

You can copy the schema and data as it appears in the Source. Click (...) to transform the data.

Source	Destination	Tr...
<div><div>Tables(20/20 items)</div><div><div><div><div></div><div>aud</div><div>---</div></div><div><div></div><div>car</div><div>---</div></div><div><div></div><div>car2</div><div>---</div></div><div><div></div><div>car3</div><div>---</div></div><div><div></div><div>color</div><div>---</div></div><div><div></div><div>customer</div><div>---</div></div><div><div></div><div>dd</div><div>---</div></div><div><div></div><div>department</div><div>---</div></div><div><div></div><div>emp</div><div>---</div></div><div><div></div><div>employee</div><div>---</div></div><div><div></div><div>json_prc</div><div>---</div></div><div><div></div><div>mock_data_1</div><div>---</div></div><div><div></div><div>mock_data_2</div><div>---</div></div><div><div></div><div>mock_data_3</div><div>---</div></div><div><div></div><div>payment</div><div>---</div></div><div><div></div><div>person</div><div>---</div></div><div><div></div><div>product</div><div>---</div></div><div><div></div><div>product_segment</div><div>---</div></div><div><div></div><div>sample_database</div><div>---</div></div><div><div></div><div>student</div><div>---</div></div></div></div></div>		
<div><div>Views(0/0 items)</div><div></div></div>		

PreviewCustom Select

Overwrite Database

AboutSettingsLoad Job

<< BackNext >>Exit

Type here to search

38°C Smoke4:44 PM5/5/2023

ESF Database Migration Toolkit - Pro - TRIAL

Execution

Had specified necessary information. Click Submit to execute.

Table Progress:

Record Progress:

Log:

Creating table 'person' ...  
Total records: 3  
Inserting records to 'person' ...  
3 records inserted.  
Data's Time Spent: 00:00:00.062  
Creating index for 'person' ...  
Total Time Spent: 00:00:00.188  
=====

[17/00] Start time: 2023-05-05 16:44:39  
Mode: SKIP  
Getting 'product' table structure ...  
Creating table 'product' ...  
Total records: 14  
Inserting records to 'product' ...  
14 records inserted.  
Data's Time Spent: 00:00:00.063  
Creating index for 'product' ...  
Total Time Spent: 00:00:00.172  
=====

[18/00] Start time: 2023-05-05 16:44:39  
Mode: SKIP  
Getting 'product\_segment' table structure ...  
Creating table 'product\_segment' ...  
Total records: 3  
Inserting records to 'product\_segment' ...  
3 records inserted.  
Data's Time Spent: 00:00:00.062  
Creating index for 'product\_segment' ...  
Total Time Spent: 00:00:00.167  
=====

[19/00] Start time: 2023-05-05 16:44:39  
Mode: SKIP  
Getting 'sample\_database' table structure ...  
Creating table 'sample\_database' ...  
Total records: 1000  
Inserting records to 'sample\_database' ...  
1000 records inserted.  
Data's Time Spent: 00:00:00.125  
Total Time Spent: 00:00:00.218  
=====

[20/00] Start time: 2023-05-05 16:44:39  
Mode: SKIP  
Getting 'student' table structure ...  
Creating table 'student' ...  
Total records: 7  
Inserting records to 'student' ...  
7 records inserted.  
Data's Time Spent: 00:00:00.094  
Creating index for 'student' ...  
Total Time Spent: 00:00:00.188  
=====

Browse LogClear

Save as job ...

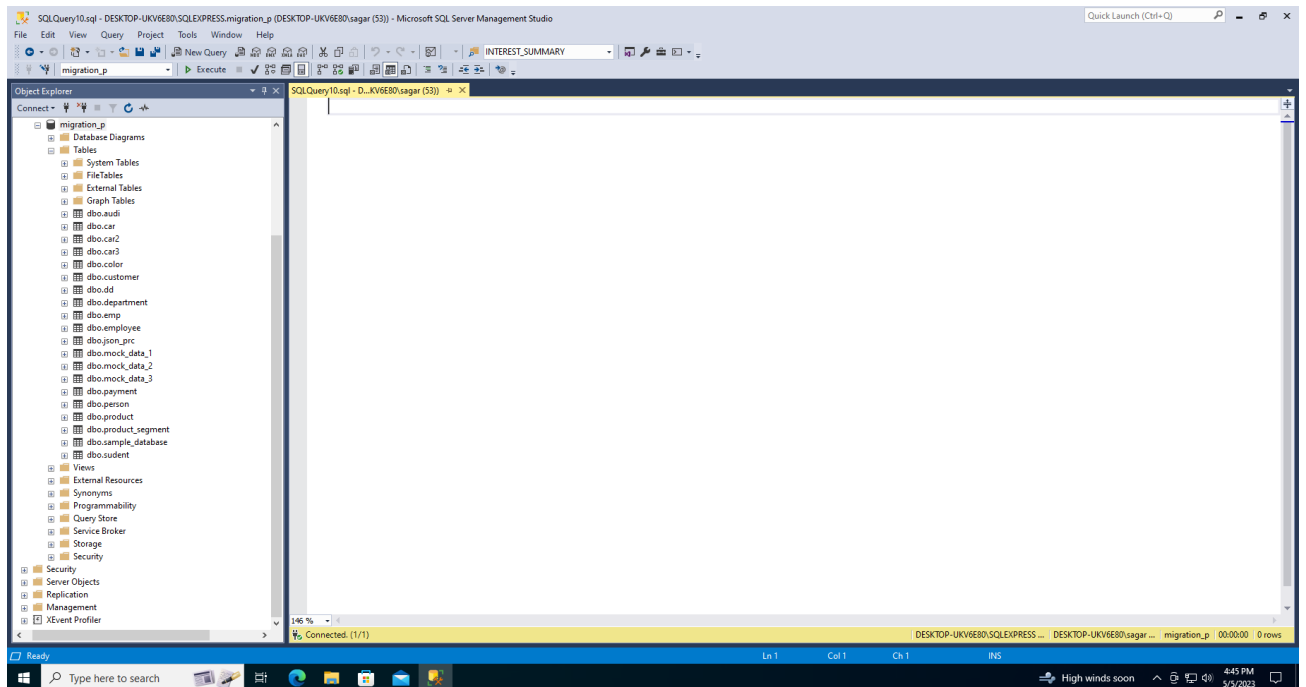
AboutSettingsLoad Job

<< BackSubmitExit

Type here to search

High winds soon8:45 PM5/5/2023

## Migrated Database:



### **Table Partition :**

```
create table student(  
    stu_id serial,  
    age int,  
    english_mark int,  
    hindi_mark int,  
    gujarati_mark int,  
    percentage int  
) partition by range(percentages);
```

```
drop table if exists student_a;  
create table student_a partition of student  
for values from (80) to (101);
```

```
drop table if exists student_b;  
create table student_b partition of student  
for values from (50) to (80);
```

```
drop table if exists student_c;  
create table student_c partition of student  
for values from (0) to (50);
```

```
insert into student(age,english_mark,hindi_mark,gujarati_mark,percentage)  
values (20,67,34,67,78),(20,62,32,47,49),(20,87,94,77,90);
```

```
select * from student;
```