ARIF HIDAYAT

Project Week 1

Tugas

Instruksi:

1.**Untuk hasil jawaban bisa dilampirkan screenshoot-an dibawah soal.**

2. Submit hasil jawaban dengan format .pdf atau .doc

Studi Kasus:

Perusahaan Teknologi

PT. Teknologi Maju adalah sebuah perusahaan teknologi yang sedang berkembang pesat. Perusahaan ini memiliki ratusan pegawai yang tersebar di berbagai wilayah di Indonesia.

Untuk mengelola data pegawai, PT. Teknologi Maju perlu menggunakan sebuah database. Database ini akan digunakan untuk menyimpan informasi tentang pegawai, seperti nama, usia, gaji, dan alamat. Dengan demikian kamu sebagai Data Analyst diminta untuk :

1. Buatlah sebuah database baru dengan nama "**employee_db**".

2. Di dalam database "**employee_db**", buatlah tabel "pegawai" dengan kolom-kolom berikut:

id (integer, primary key)

nama (varchar)

nama_panggilan (varchar)

usia (integer)

salary (int)

3. Tambahkan kolom alamat dengan tipe data varchar ke dalam tabel "**pegawai**".

4. Hapus kolom **nama_panggilan** dari tabel "**pegawai**".

5. Ubah tipe data kolom salary menjadi bigint di tabel "**pegawai**".

6. Sisipkanbeberapa data baru ke dalam tabel "pegawai" dengan informasi berikut:

Nama:

'Ramzan', Usia: 30, Gaji: 5000000, Alamat: 'Jl. ABC No. 123'.

'Boodey', Usia: 35, Gaji: 6000000, Alamat: 'Jl. CDE No. 123'.

7. Perbarui gaji pegawai dengan nama 'Ramzan' menjadi 7000000.

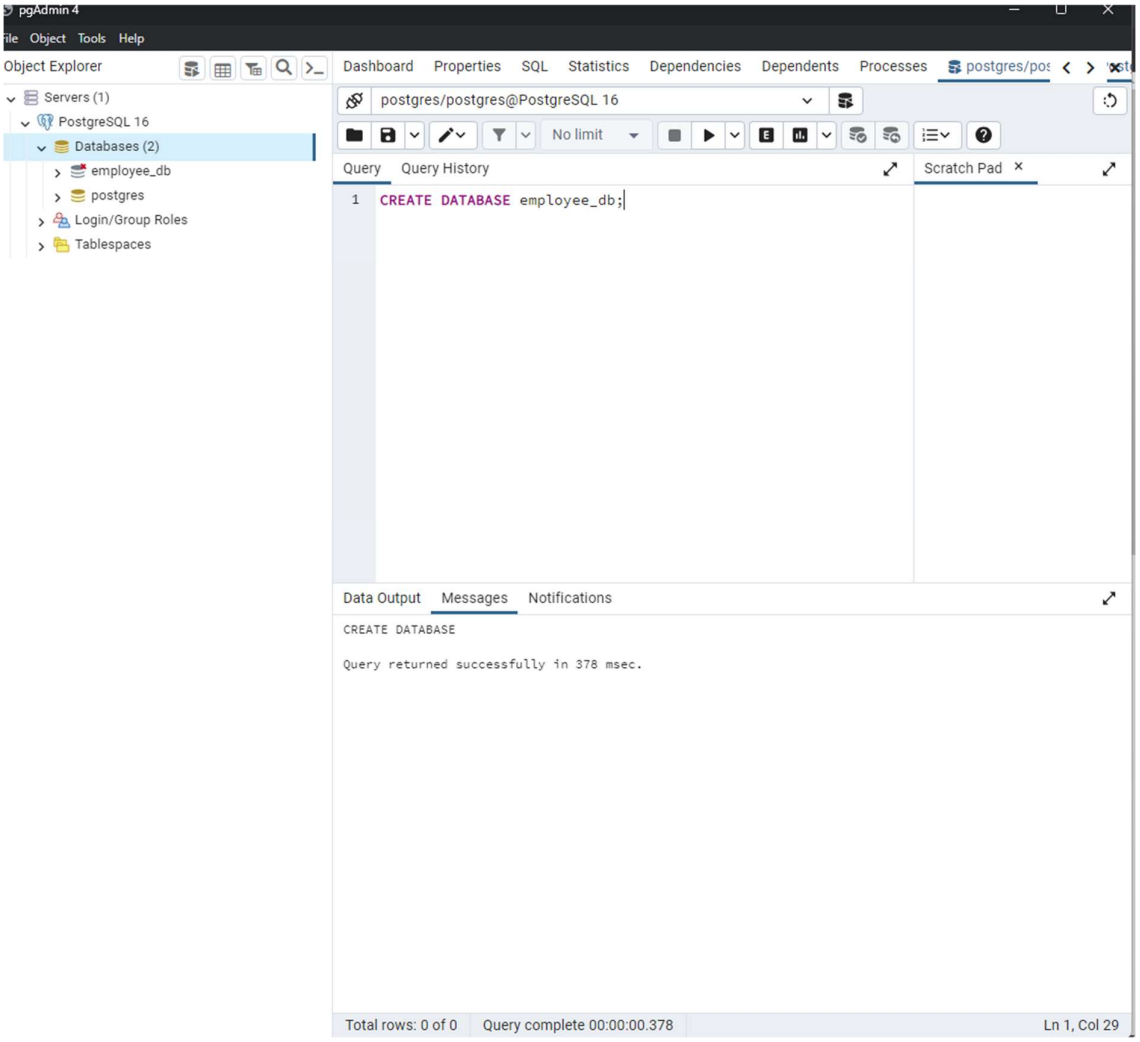
8. Hapus tabel "pegawai" dari database.

9. Hapus database "**employee_db**".

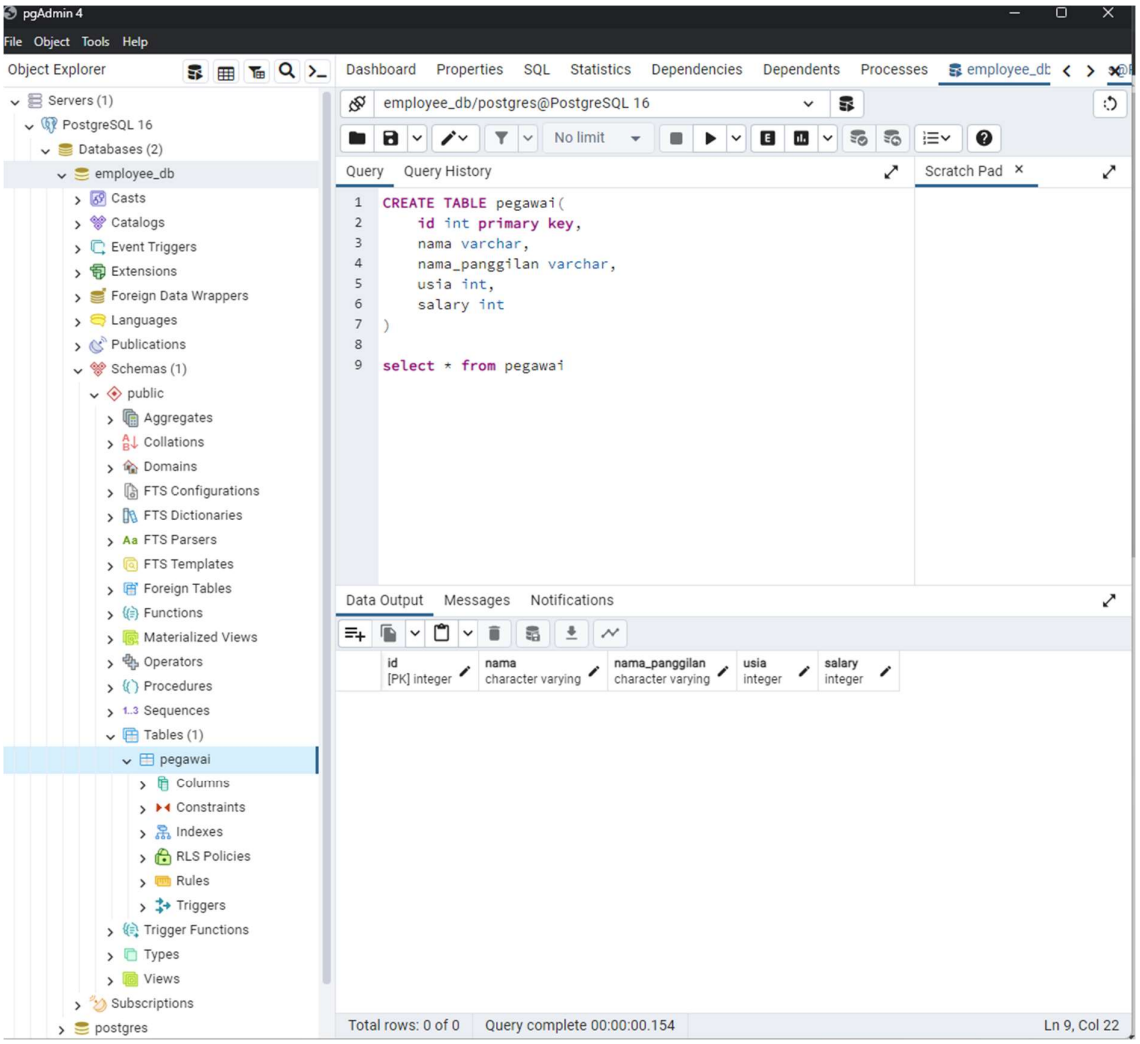
10. Tampilkan semua data dari tabel "**pegawai**".

JAWABAN :

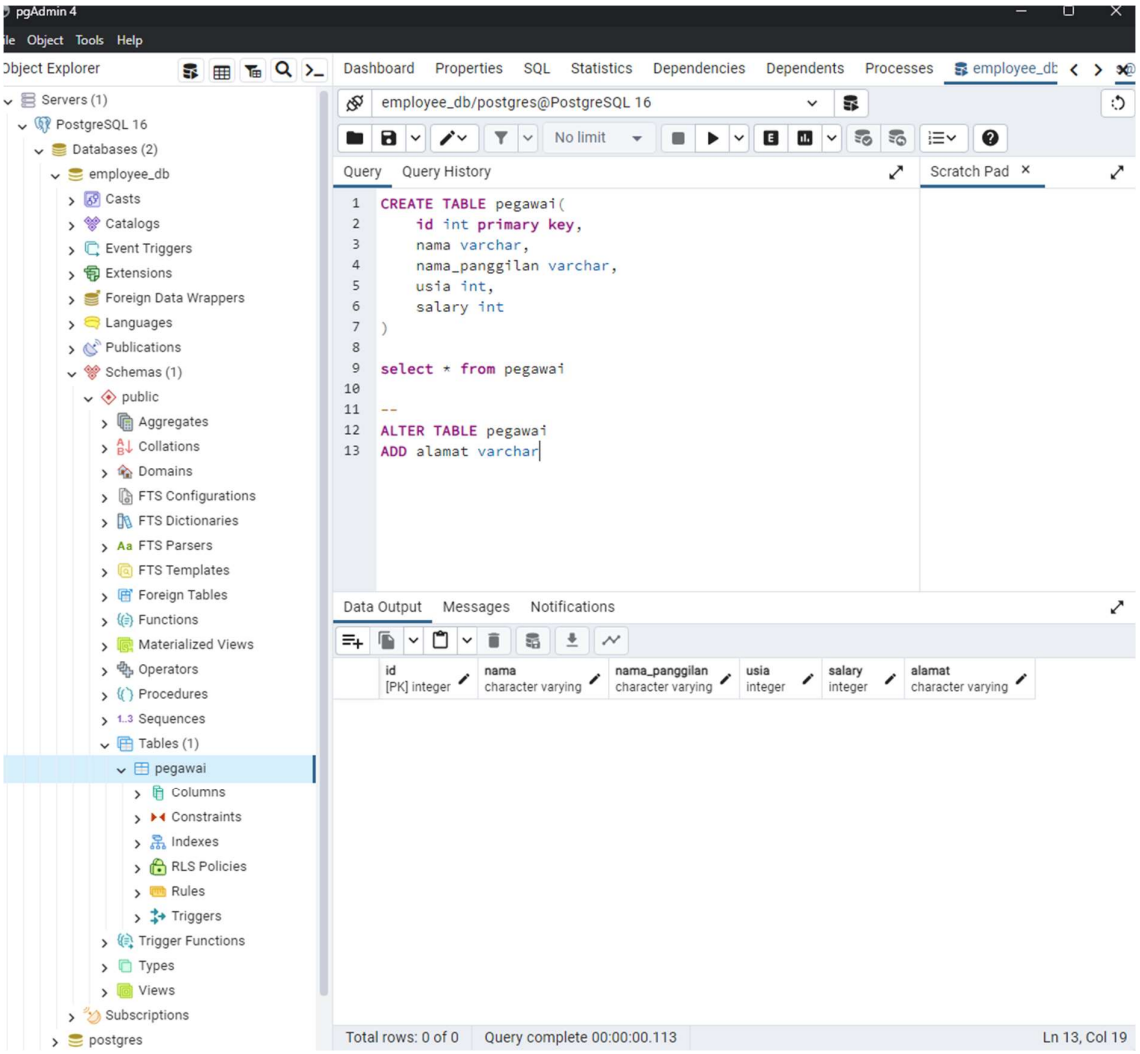
1.



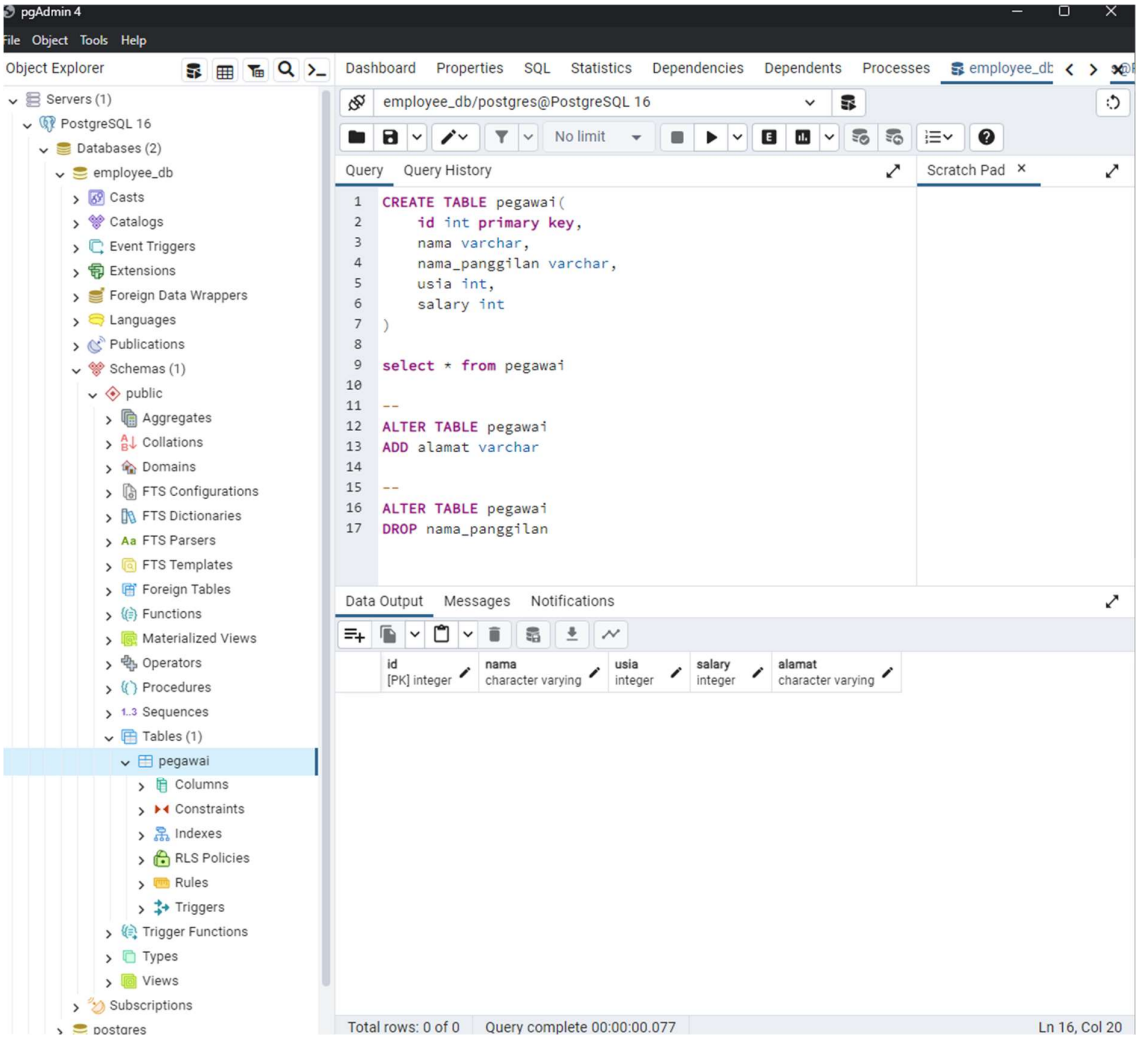
2.


pgAdmin 4
File Object Tools Help
Object Explorer
Servers (1)
PostgreSQL 16
Databases (2)
employee_db
Casts
Catalogs
Event Triggers
Extensions
Foreign Data Wrappers
Languages
Publications
Schemas (1)
public
Aggregates
Collations
Domains
FTS Configurations
FTS Dictionaries
FTS Parsers
FTS Templates
Foreign Tables
Functions
Materialized Views
Operators
Procedures
Sequences
Tables (1)
pegawai
Columns
Constraints
Indexes
RLS Policies
Rules
Triggers
Trigger Functions
Types
Views
Subscriptions
postgres
Dashboard
Properties
SQL
Statistics
Dependencies
Dependents
Processes
employee_db
employee_db/postgres@PostgreSQL 16
No limit
Query
Query History
Scratch Pad
CREATE TABLE pegawai(
id int primary key,
nama varchar,
nama_panggilan varchar,
usia int,
salary int
)
select * from pegawai
Data Output
Messages
Notifications
id
[PK] integer
nama
character varying
nama_panggilan
character varying
usia
integer
salary
integer
Total rows: 0 of 0
Query complete 00:00:00.154
Ln 9, Col 22

3.


pgAdmin 4
File Object Tools Help
Object Explorer
Dashboard Properties SQL Statistics Dependencies Dependents Processes employee_db
Servers (1)
PostgreSQL 16
Databases (2)
employee_db
Casts
Catalogs
Event Triggers
Extensions
Foreign Data Wrappers
Languages
Publications
Schemas (1)
public
Aggregates
Collations
Domains
FTS Configurations
FTS Dictionaries
FTS Parsers
FTS Templates
Foreign Tables
Functions
Materialized Views
Operators
Procedures
Sequences
Tables (1)
pegawai
Columns
Constraints
Indexes
RLS Policies
Rules
Triggers
Trigger Functions
Types
Views
Subscriptions
postgres
employee_db/postgres@PostgreSQL 16
No limit
Query Query History
Scratch Pad
1 CREATE TABLE pegawai(
2 id int primary key,
3 nama varchar,
4 nama_panggilan varchar,
5 usia int,
6 salary int
7)
8
9 select * from pegawai
10
11 --
12 ALTER TABLE pegawai
13 ADD alamat varchar
Data Output Messages Notifications
id [PK] integer
nama character varying
nama_panggilan character varying
usia integer
salary integer
alamat character varying
Total rows: 0 of 0
Query complete 00:00:00.113
Ln 13, Col 19

4.


pgAdmin 4
File Object Tools Help
Object Explorer
Servers (1)
PostgreSQL 16
Databases (2)
employee_db
Casts
Catalogs
Event Triggers
Extensions
Foreign Data Wrappers
Languages
Publications
Schemas (1)
public
Aggregates
Collations
Domains
FTS Configurations
FTS Dictionaries
FTS Parsers
FTS Templates
Foreign Tables
Functions
Materialized Views
Operators
Procedures
Sequences
Tables (1)
pegawai
Columns
Constraints
Indexes
RLS Policies
Rules
Triggers
Trigger Functions
Types
Views
Subscriptions
Dashboard
Properties
SQL
Statistics
Dependencies
Dependents
Processes
employee_db
employee_db/postgres@PostgreSQL 16
No limit
Query
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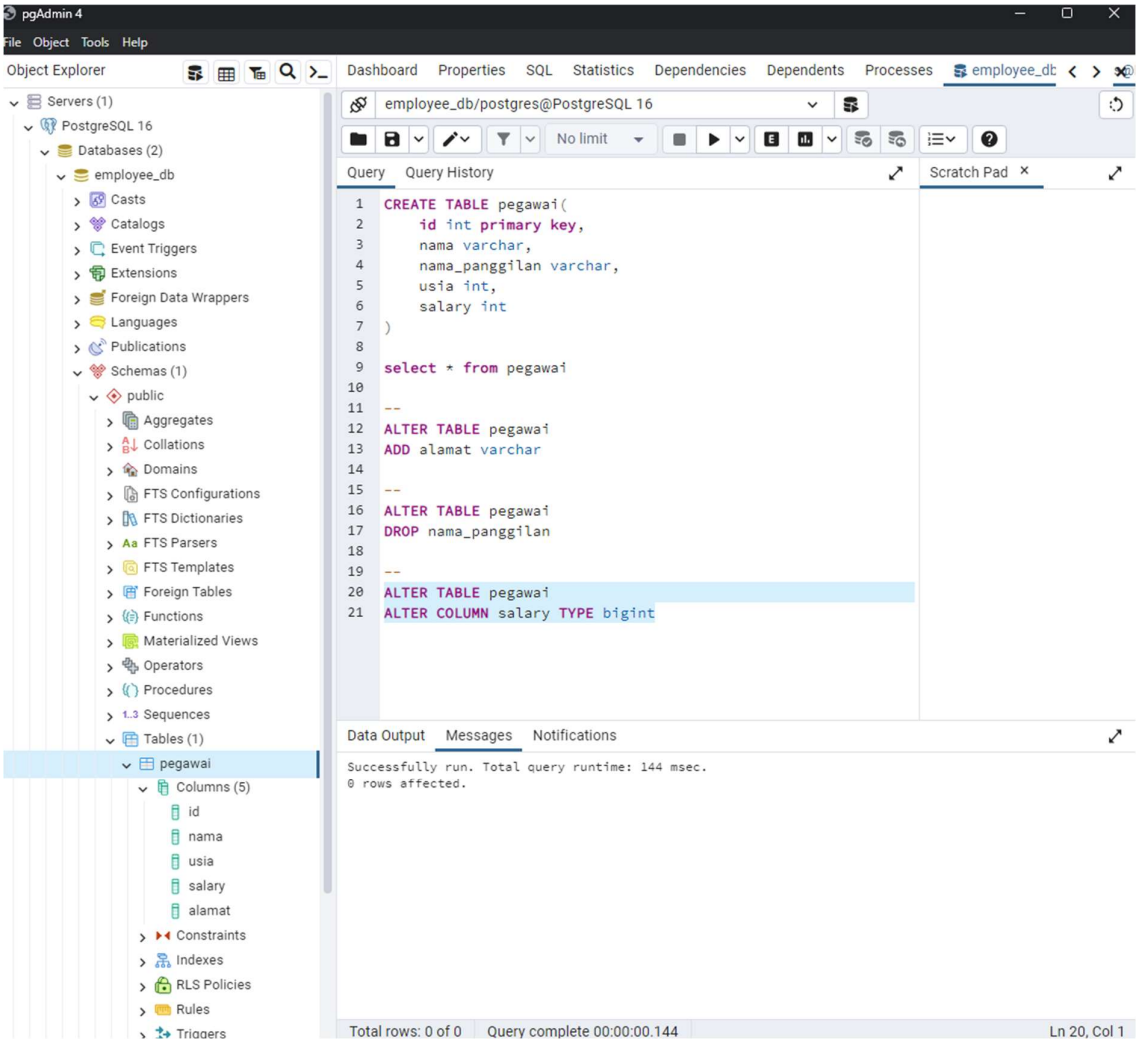
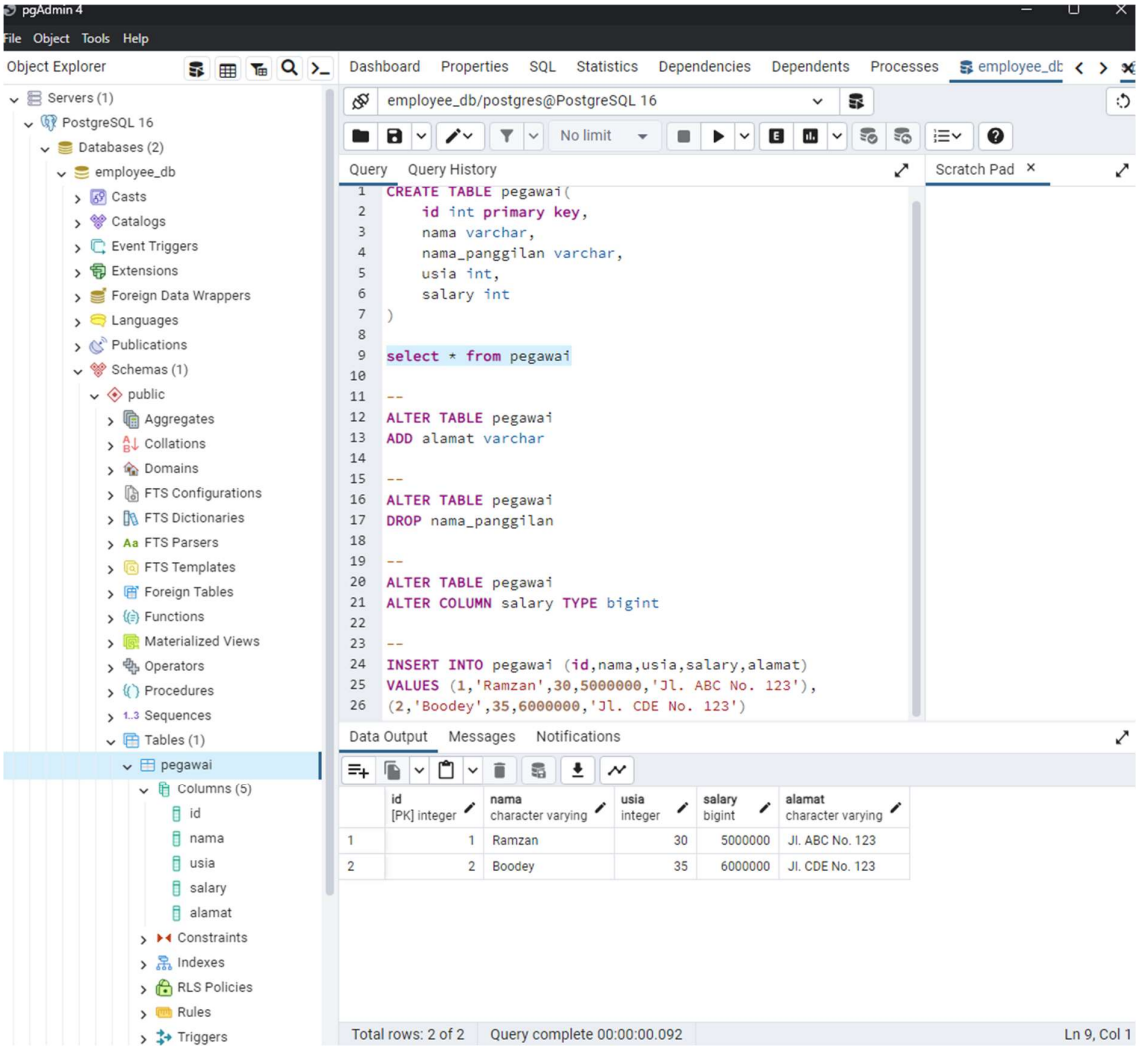
id int primary key,
nama varchar,
nama_panggilan varchar,
usia int,
salary int
)
select * from pegawai
--
ALTER TABLE pegawai
ADD alamat varchar
--
ALTER TABLE pegawai
DROP nama_panggilan
Data Output
Messages
Notifications
id [PK] integer
nama character varying
usia integer
salary integer
alamat character varying
Total rows: 0 of 0
Query complete 00:00:00.077
Ln 16, Col 20

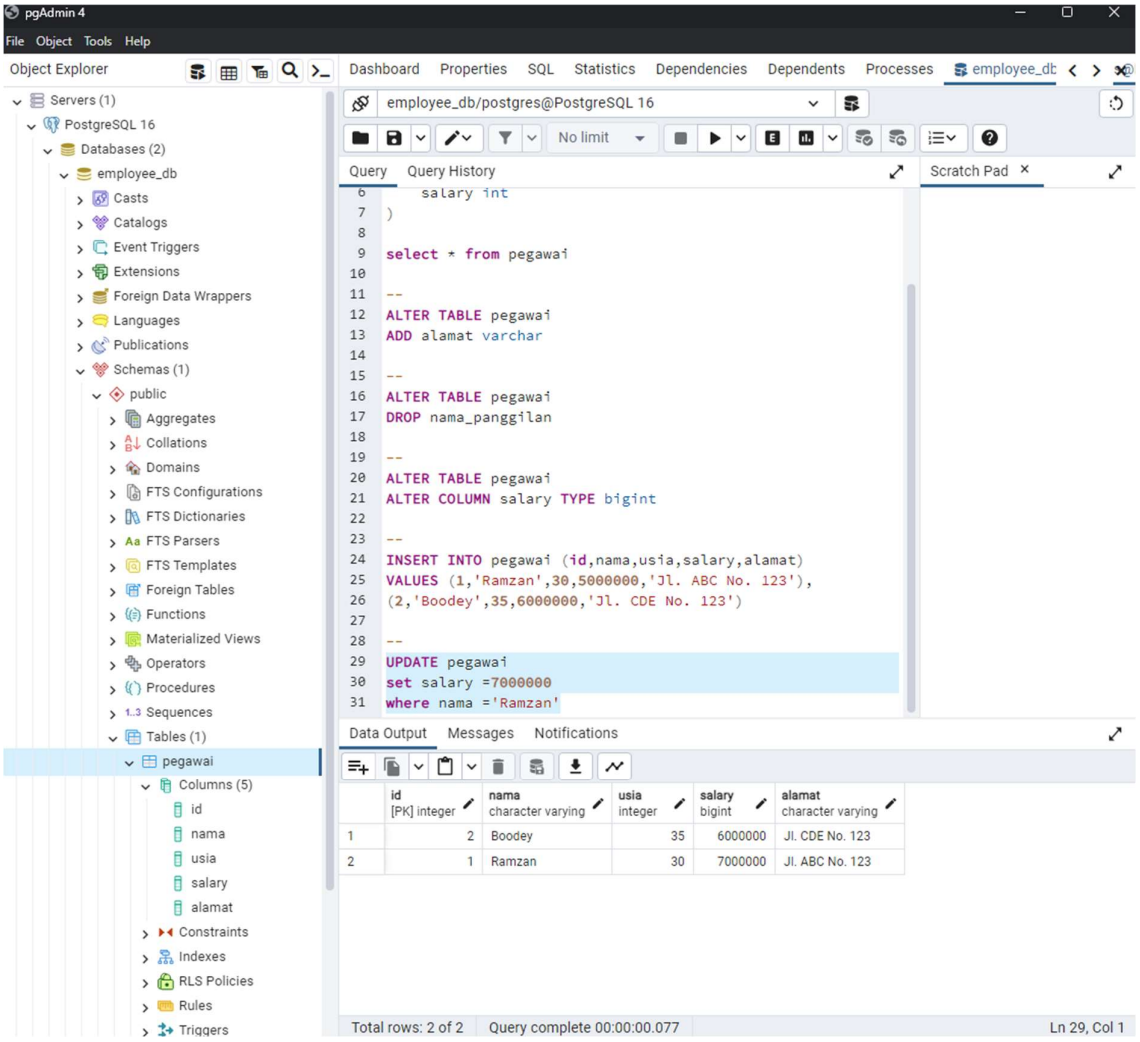
5.


pgAdmin 4
File Object Tools Help
Object Explorer
Servers (1)
PostgreSQL 16
Databases (2)
employee_db
Casts
Catalogs
Event Triggers
Extensions
Foreign Data Wrappers
Languages
Publications
Schemas (1)
public
Aggregates
Collations
Domains
FTS Configurations
FTS Dictionaries
FTS Parsers
FTS Templates
Foreign Tables
Functions
Materialized Views
Operators
Procedures
Sequences
Tables (1)
pegawai
Columns (5)
id
nama
usia
salary
alamat
Constraints
Indexes
RLS Policies
Rules
Triggers
Dashboard Properties SQL Statistics Dependencies Dependents Processes employee_db
employee_db/postgres@PostgreSQL 16
No limit
Query Query History
Scratch Pad
1 CREATE TABLE pegawai(
2 id int primary key,
3 nama varchar,
4 nama_panggilan varchar,
5 usia int,
6 salary int
7)
8
9 select * from pegawai
10
11 --
12 ALTER TABLE pegawai
13 ADD alamat varchar
14
15 --
16 ALTER TABLE pegawai
17 DROP nama_panggilan
18
19 --
20 ALTER TABLE pegawai
21 ALTER COLUMN salary TYPE bigint
Data Output Messages Notifications
Successfully run. Total query runtime: 144 msec.
0 rows affected.
Total rows: 0 of 0 Query complete 00:00:00.144 Ln 20, Col 1

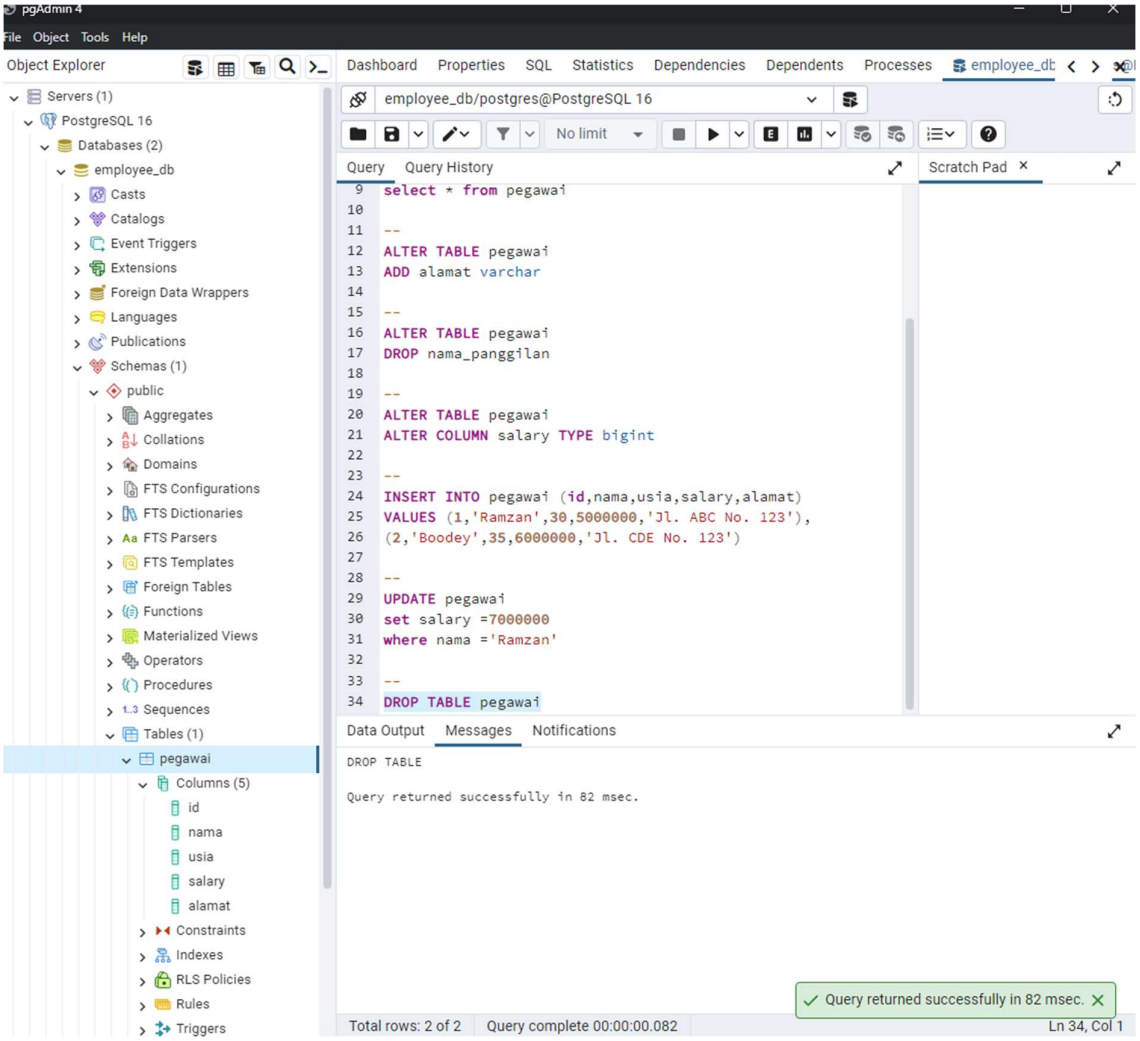
6.


pgAdmin 4
File Object Tools Help
Object Explorer
Servers (1)
PostgreSQL 16
Databases (2)
employee_db
Casts
Catalogs
Event Triggers
Extensions
Foreign Data Wrappers
Languages
Publications
Schemas (1)
public
Aggregates
Collations
Domains
FTS Configurations
FTS Dictionaries
FTS Parsers
FTS Templates
Foreign Tables
Functions
Materialized Views
Operators
Procedures
Sequences
Tables (1)
pegawai
Columns (5)
id
nama
usia
salary
alamat
Constraints
Indexes
RLS Policies
Rules
Triggers
Dashboard Properties SQL Statistics Dependencies Dependents Processes employee_db
employee_db/postgres@PostgreSQL 16
No limit
Query Query History
Scratch Pad
CREATE TABLE pegawai(
id int primary key,
nama varchar,
nama_panggilan varchar,
usia int,
salary int
)
select * from pegawai
--
ALTER TABLE pegawai
ADD alamat varchar
--
ALTER TABLE pegawai
DROP nama_panggilan
--
ALTER TABLE pegawai
ALTER COLUMN salary TYPE bigint
--
INSERT INTO pegawai (id,nama,usia,salary,alamat)
VALUES (1,'Ramzan',30,5000000,'Jl. ABC No. 123'),
(2,'Boodey',35,6000000,'Jl. CDE No. 123')
Data Output Messages Notifications
id [PK] integer
nama character varying
usia integer
salary bigint
alamat character varying
1 1 Ramzan 30 5000000 Jl. ABC No. 123
2 2 Boodey 35 6000000 Jl. CDE No. 123
Total rows: 2 of 2
Query complete 00:00:00.092
Ln 9, Col 1

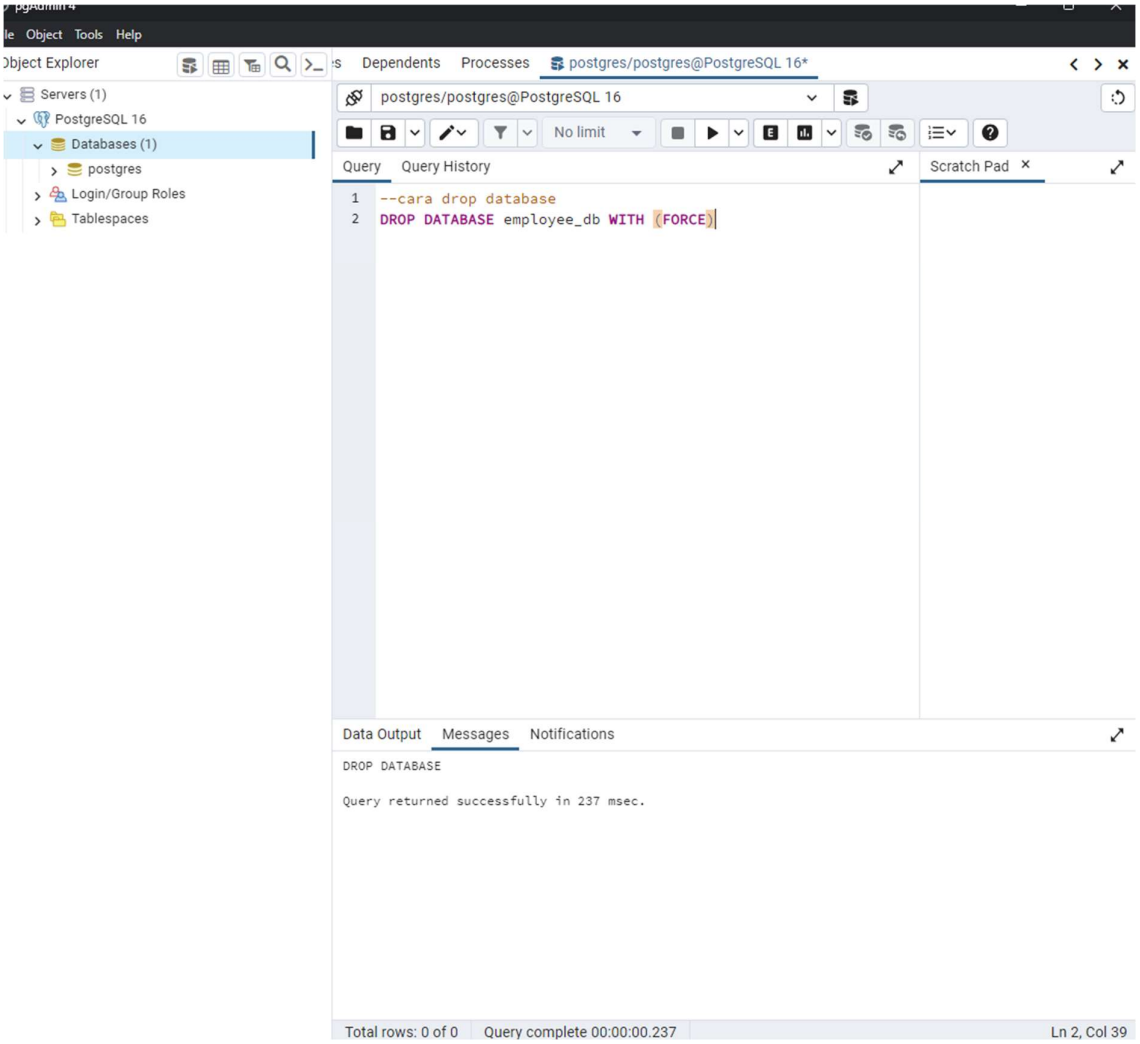
7.


pgAdmin 4
File Object Tools Help
Object Explorer
Servers (1)
PostgreSQL 16
Databases (2)
employee_db
Casts
Catalogs
Event Triggers
Extensions
Foreign Data Wrappers
Languages
Publications
Schemas (1)
public
Aggregates
Collations
Domains
FTS Configurations
FTS Dictionaries
FTS Parsers
FTS Templates
Foreign Tables
Functions
Materialized Views
Operators
Procedures
Sequences
Tables (1)
pegawai
Columns (5)
id
nama
usia
salary
alamat
Constraints
Indexes
RLS Policies
Rules
Triggers
Dashboard Properties SQL Statistics Dependencies Dependents Processes employee_db
employee_db/postgres@PostgreSQL 16
No limit
Query Query History
Scratch Pad
salary int
)
select * from pegawai
--
ALTER TABLE pegawai
ADD alamat varchar
--
ALTER TABLE pegawai
DROP nama_panggilan
--
ALTER TABLE pegawai
ALTER COLUMN salary TYPE bigint
--
INSERT INTO pegawai (id,nama,usia,salary,alamat)
VALUES (1,'Ramzan',30,5000000,'Jl. ABC No. 123'),
(2,'Boodey',35,6000000,'Jl. CDE No. 123')
--
UPDATE pegawai
set salary =7000000
where nama ='Ramzan'
Data Output Messages Notifications
id [PK] integer
nama character varying
usia integer
salary bigint
alamat character varying
1 2 Boodey 35 6000000 Jl. CDE No. 123
2 1 Ramzan 30 7000000 Jl. ABC No. 123
Total rows: 2 of 2
Query complete 00:00:00.077
Ln 29, Col 1

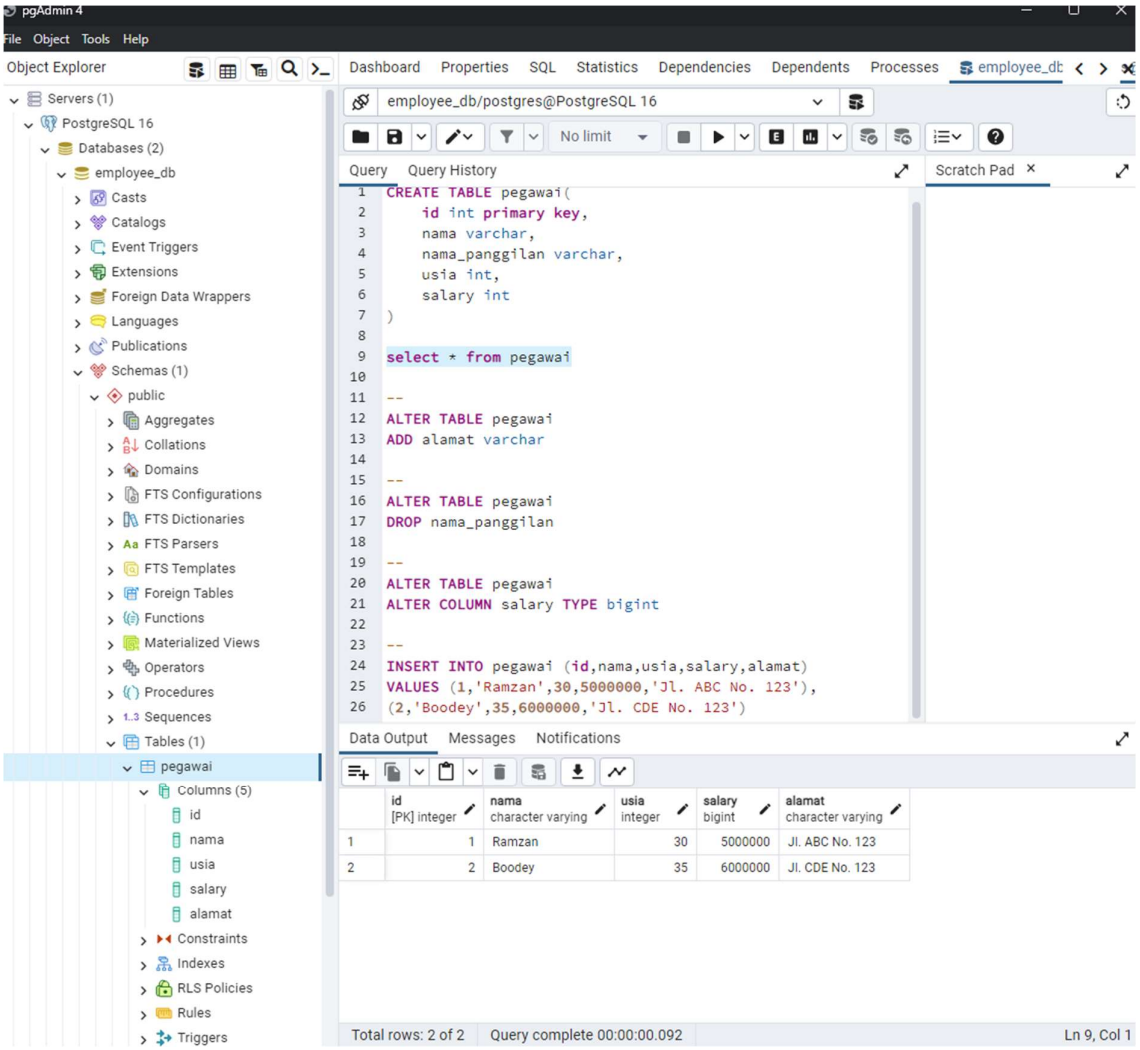
8.

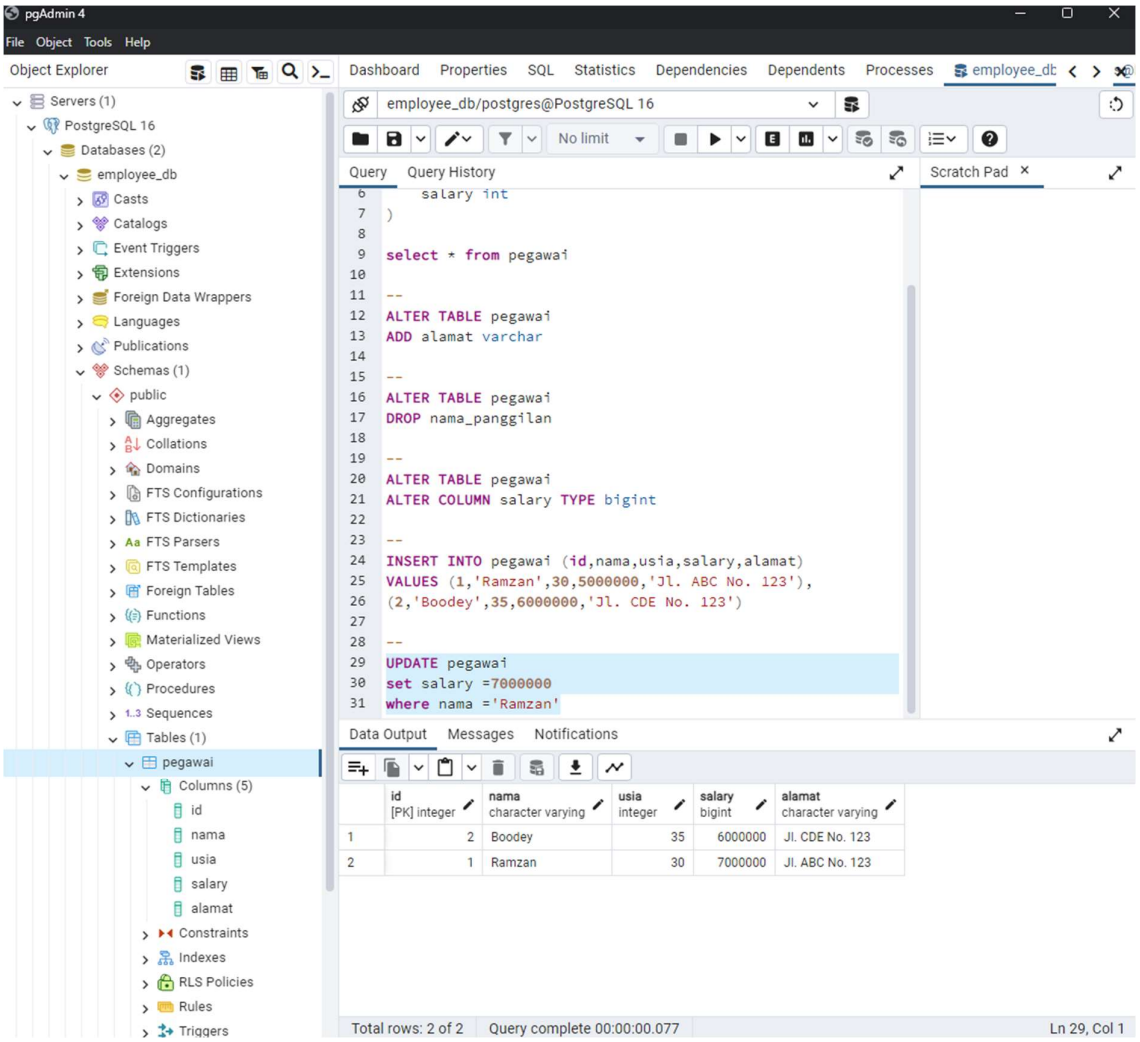

pgAdmin 4
File Object Tools Help
Object Explorer
Servers (1)
PostgreSQL 16
Databases (2)
employee_db
Casts
Catalogs
Event Triggers
Extensions
Foreign Data Wrappers
Languages
Publications
Schemas (1)
public
Aggregates
Collations
Domains
FTS Configurations
FTS Dictionaries
FTS Parsers
FTS Templates
Foreign Tables
Functions
Materialized Views
Operators
Procedures
Sequences
Tables (1)
pegawai
Columns (5)
id
nama
usia
salary
alamat
Constraints
Indexes
RLS Policies
Rules
Triggers
Dashboard Properties SQL Statistics Dependencies Dependents Processes employee_db
employee_db/postgres@PostgreSQL 16
No limit
Query Query History
Scratch Pad
select * from pegawai
--
ALTER TABLE pegawai
ADD alamat varchar
--
ALTER TABLE pegawai
DROP nama_panggilan
--
ALTER TABLE pegawai
ALTER COLUMN salary TYPE bigint
--
INSERT INTO pegawai (id,nama,usia,salary,alamat)
VALUES (1,'Ramzan',30,5000000,'Jl. ABC No. 123'),
(2,'Boodey',35,6000000,'Jl. CDE No. 123')
--
UPDATE pegawai
set salary =7000000
where nama ='Ramzan'
--
DROP TABLE pegawai
Data Output Messages Notifications
DROP TABLE
Query returned successfully in 82 msec.
Query returned successfully in 82 msec.
Total rows: 2 of 2
Query complete 00:00:00.082
Ln 34, Col 1

9.


Object Tools Help
Object Explorer
Servers (1)
PostgreSQL 16
Databases (1)
postgres
Login/Group Roles
Tablespaces
Dependents
Processes
postgres/postgres@PostgreSQL 16*
postgres/postgres@PostgreSQL 16
No limit
Query
Query History
Scratch Pad
1 --cara drop database
2 DROP DATABASE employee_db WITH (FORCE)
Data Output
Messages
Notifications
DROP DATABASE
Query returned successfully in 237 msec.
Total rows: 0 of 0
Query complete 00:00:00.237
Ln 2, Col 39

10.


pgAdmin 4
File Object Tools Help
Object Explorer
Servers (1)
PostgreSQL 16
Databases (2)
employee_db
Casts
Catalogs
Event Triggers
Extensions
Foreign Data Wrappers
Languages
Publications
Schemas (1)
public
Aggregates
Collations
Domains
FTS Configurations
FTS Dictionaries
FTS Parsers
FTS Templates
Foreign Tables
Functions
Materialized Views
Operators
Procedures
Sequences
Tables (1)
pegawai
Columns (5)
id
nama
usia
salary
alamat
Constraints
Indexes
RLS Policies
Rules
Triggers
Dashboard Properties SQL Statistics Dependencies Dependents Processes employee_db
employee_db/postgres@PostgreSQL 16
No limit
Query Query History
Scratch Pad
CREATE TABLE pegawai(
id int primary key,
nama varchar,
nama_panggilan varchar,
usia int,
salary int
)
select * from pegawai
--
ALTER TABLE pegawai
ADD alamat varchar
--
ALTER TABLE pegawai
DROP nama_panggilan
--
ALTER TABLE pegawai
ALTER COLUMN salary TYPE bigint
--
INSERT INTO pegawai (id,nama,usia,salary,alamat)
VALUES (1,'Ramzan',30,5000000,'Jl. ABC No. 123'),
(2,'Boodey',35,6000000,'Jl. CDE No. 123')
Data Output Messages Notifications
id [PK] integer
nama character varying
usia integer
salary bigint
alamat character varying
1 1 Ramzan 30 5000000 Jl. ABC No. 123
2 2 Boodey 35 6000000 Jl. CDE No. 123
Total rows: 2 of 2
Query complete 00:00:00.092
Ln 9, Col 1


pgAdmin 4
File Object Tools Help
Object Explorer
Servers (1)
PostgreSQL 16
Databases (2)
employee_db
Casts
Catalogs
Event Triggers
Extensions
Foreign Data Wrappers
Languages
Publications
Schemas (1)
public
Aggregates
Collations
Domains
FTS Configurations
FTS Dictionaries
FTS Parsers
FTS Templates
Foreign Tables
Functions
Materialized Views
Operators
Procedures
Sequences
Tables (1)
pegawai
Columns (5)
id
nama
usia
salary
alamat
Constraints
Indexes
RLS Policies
Rules
Triggers
Dashboard Properties SQL Statistics Dependencies Dependents Processes employee_db
employee_db/postgres@PostgreSQL 16
No limit
Query Query History
Scratch Pad
salary int
)
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ALTER TABLE pegawai
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VALUES (1,'Ramzan',30,5000000,'Jl. ABC No. 123'),
(2,'Boodey',35,6000000,'Jl. CDE No. 123')
--
UPDATE pegawai
set salary =7000000
where nama ='Ramzan'
Data Output Messages Notifications
id [PK] integer
nama character varying
usia integer
salary bigint
alamat character varying
1 2 Boodey 35 6000000 Jl. CDE No. 123
2 1 Ramzan 30 7000000 Jl. ABC No. 123
Total rows: 2 of 2
Query complete 00:00:00.077
Ln 29, Col 1