PES UNIVERSITY -EC CAMPUS
Hosur Rd, Konappana Agrahara, Electronic City, Bengaluru, Karnataka 560

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ASSIGNMENT-2

TOPIC :PHARMACY DATABASE

DATE:14/10/2021

TEAM MEMBERS:	**SRN:**
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2.Bhagyashree Shankar	PES2UG19CS085
3.Bhavana R	PES2UG19CS089

Database designed for pharmacy , where we chose Relational Database management system[RDBMS] as the data model.

An RDBMS is a type of database management system (DBMS) that stores data in a row-based table structure that connects related data elements. An RDBMS includes functions that maintain the security, accuracy, integrity, and consistency of the data.

An RDBMS **allows users to construct, update, manage, and interact with a relational database**, storing data in a tabular form. Therefore, consider RDBMS as an advanced data management system that makes gaining insights from data a lot easier.

Pros of using Rdbms

- Maintainability. It provides easy usability.
- Flexibility. This feature of RDBMS saves a lot of time as updating data in one place is enough.
- Data Structure. As RDBMS stores data in a table format, it is easily understood by the users.
- Privileges.

For implementing the database we chose Postgresql

Postgres inherently performs better due to its concurrent support for write operations without the need for read/write locks. It is also fully ACID compliant and implements transaction isolation and snapshots. On the other hand, MySQL tries to achieve concurrency with the use of write locks.0

Why did we use PostgreSQL ?
Well , Postgres is an object-relational database, while MySQL is a purely relational database. This means that **Postgres includes features like table inheritance and function overloading**, which can be important to certain applications. Postgres also adheres more closely to SQL standards
we chose Postgresql version 14 ,pgadmin4
pgAdmin is the most popular and feature rich Open Source administration and development platform for PostgreSQL, the most advanced Open Source database in the world

Pros of PostgreSQL

- Open Source DBMS.
- Diverse Community.
- Function.

- ACID and Transaction.
- Diverse indexing techniques.
- Flexible Full-text search.
- Diverse kinds of replication.
- Diversified extension functions.

Create.sql

- CREATE TABLE company (
  NAME varchar(50) NOT NULL PRIMARY KEY ,
  ADDRESS varchar(50) NOT NULL,
  PHONE varchar(20) NOT NULL) ;

- CREATE TABLE drugs (
  NAME varchar(50) NOT NULL,
  TYPE varchar(20) NOT NULL,
  BARCODE varchar(20) NOT NULL PRIMARY KEY ,
  DOSE varchar(10) NOT NULL,
  CODE varchar(10) NOT NULL,
  COST_PRICE float NOT NULL,
  SELLING_PRICE float NOT NULL,
  EXPIRY varchar(20) NOT NULL,
  COMPANY_NAME varchar(50) NOT NULL,
  PRODUCTION_DATE date NOT NULL,
  EXPIRATION_DATE date NOT NULL,
  PLACE varchar(20) NOT NULL,
  QUANTITY int NOT NULL);

- CREATE TABLE expiry (
  PRODUCT_NAME varchar(50) NOT NULL,
  PRODUCT_CODE varchar(20) NOT NULL,
  DATE_OF_EXPIRY varchar(10) NOT NULL,
  QUANTITY_REMAIN int NOT NULL);

- CREATE TABLE history_sales(
  USER_NAME varchar(20) NOT NULL,
  BARCODE varchar(20) NOT NULL ,
  NAME varchar(50) NOT NULL,
  TYPE varchar(10) NOT NULL,
  DOSE varchar(10) NOT NULL,
  QUANTITY int NOT NULL,
  PRICE float NOT NULL,
  AMOUNT float NOT NULL,
  DATE date NOT NULL,
  TIME time NOT NULL,
  FOREIGN KEY(BARCODE) REFERENCES drugs(BARCODE));

- CREATE TABLE message_history(
  MESSAGE_FROM varchar(20) NOT NULL,
  MESSAGE_TO varchar(20) NOT NULL,
  MESSAGE_TEXT varchar(200) NOT NULL);

- CREATE TABLE purchase(
  BARCODE varchar(20) NOT NULL PRIMARY KEY,
  NAME varchar(50) NOT NULL,
  TYPE varchar(20) NOT NULL,
  COMPANY_NAME varchar(20) NOT NULL ,
  QUANTITY int NOT NULL,
  PRICE float NOT NULL,
  AMOUNT float NOT NULL,
  FOREIGN KEY(COMPANY_NAME) REFERENCES company(NAME));

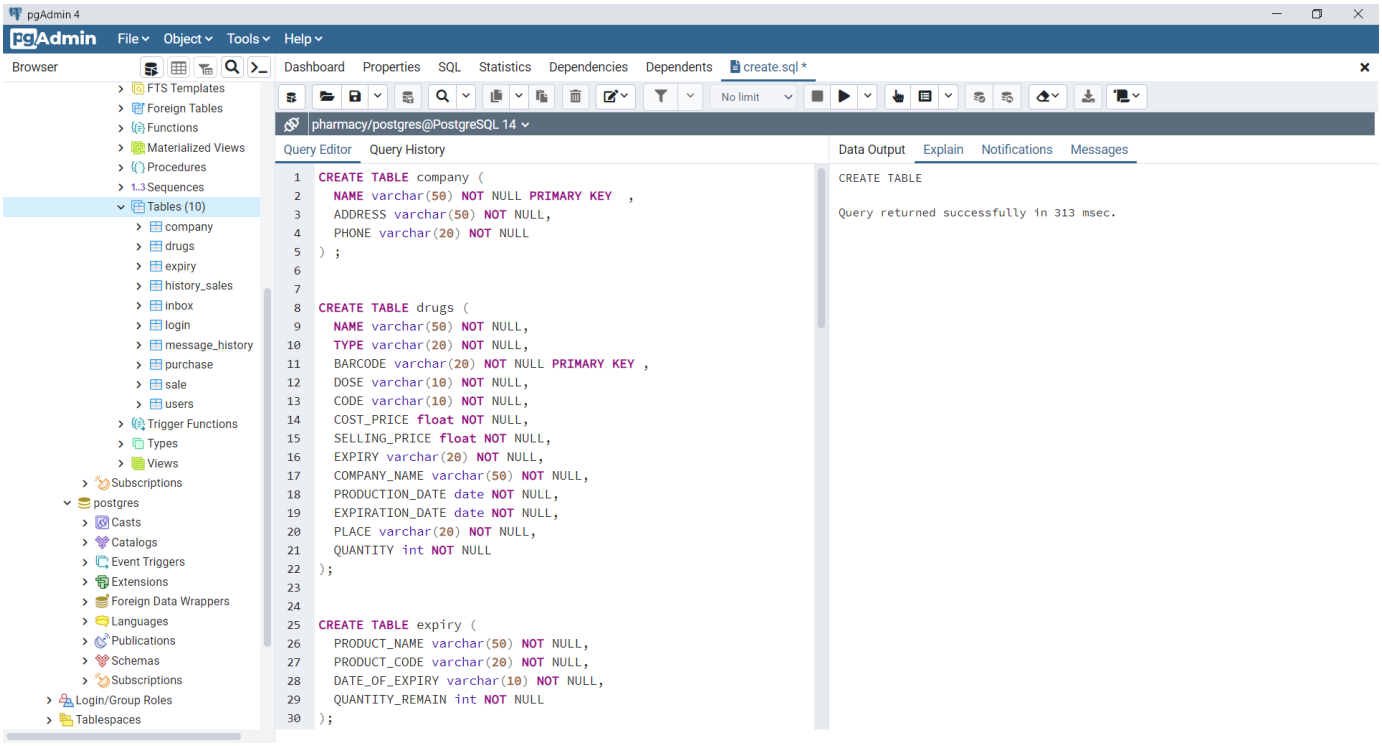
- CREATE TABLE sale(
  BARCODE varchar(20) NOT NULL,
  NAME varchar(50) NOT NULL,
  TYPE varchar(10) NOT NULL,
  DOSE varchar(10) NOT NULL,
  QUANTITY int NOT NULL,
  PRICE float NOT NULL,
  AMOUNT float NOT NULL,
  DATE date NOT NULL,
  FOREIGN KEY(BARCODE) REFERENCES drugs(BARCODE));

- CREATE TABLE users(
  ID int NOT NULL PRIMARY KEY,
  NAME varchar(50) NOT NULL,
  DOB varchar(20) NOT NULL,
  ADDRESS varchar(100) NOT NULL,
  PHONE varchar(20) NOT NULL,
  SALARY float NOT NULL,
  PASSWORD varchar(20) NOT NULL);

- CREATE TABLE login(
  NAME varchar(50) NOT NULL,
  TYPE varchar(20) NOT NULL,
  DATE date NOT NULL,
  TIME time NOT NULL,
  ID int,
  FOREIGN KEY(ID) REFERENCES users(ID));

- CREATE TABLE inbox (
  MESSAGE_FROM varchar(20) NOT NULL,
  MESSAGE_TO varchar(20) NOT NULL,
  MESSAGE_TEXT varchar(200) NOT NULL,
  SENDER_ID int,
  FOREIGN KEY(SENDER_ID) REFERENCES users(ID));

EXECUTION OF CREATE COMMANDS SCREENSHOTS

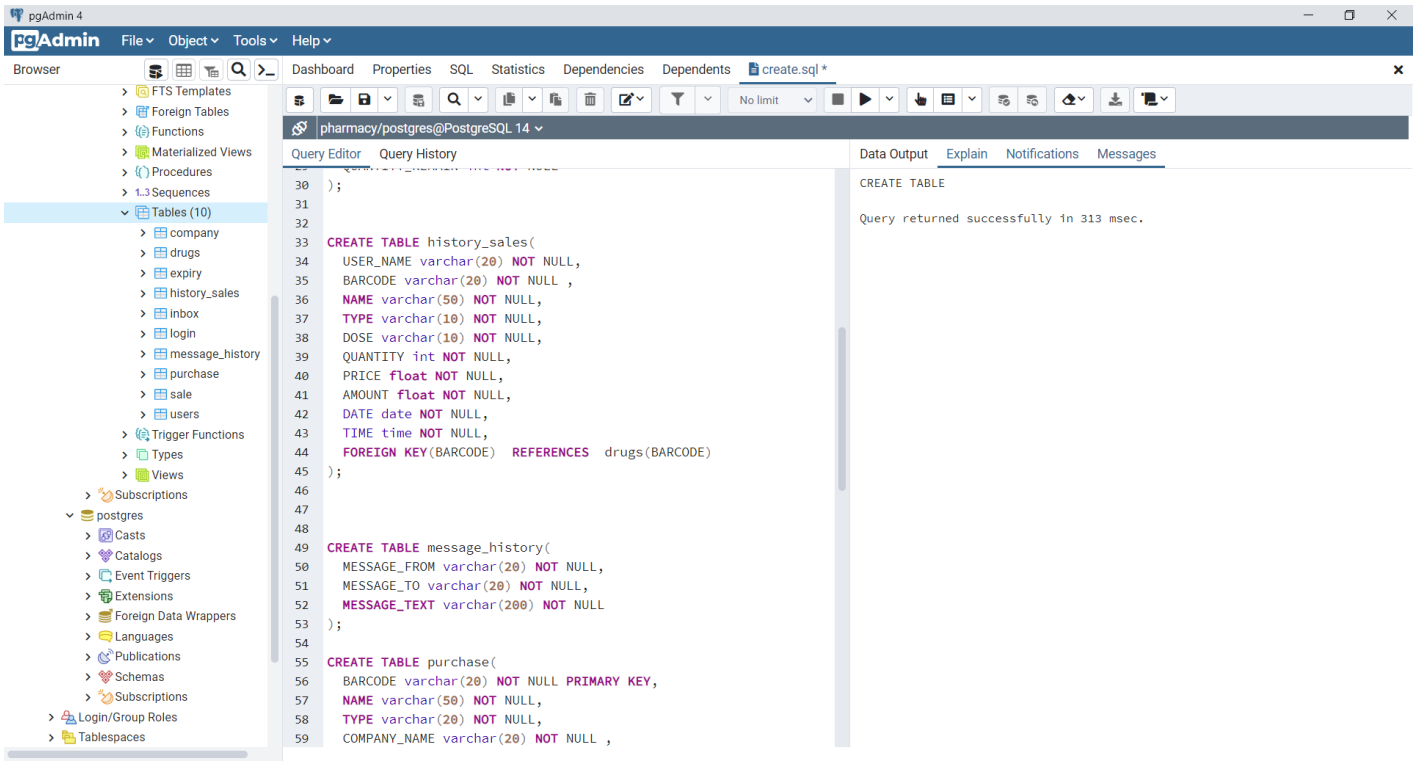


```
CREATE TABLE company (
  NAME varchar(50) NOT NULL PRIMARY KEY  ,
  ADDRESS varchar(50) NOT NULL,
  PHONE varchar(20) NOT NULL
) ;


CREATE TABLE drugs (
  NAME varchar(50) NOT NULL,
  TYPE varchar(20) NOT NULL,
  BARCODE varchar(20) NOT NULL PRIMARY KEY ,
  DOSE varchar(10) NOT NULL,
  CODE varchar(10) NOT NULL,
  COST_PRICE float NOT NULL,
  SELLING_PRICE float NOT NULL,
  EXPIRY varchar(20) NOT NULL,
  COMPANY_NAME varchar(50) NOT NULL,
  PRODUCTION_DATE date NOT NULL,
  EXPIRATION_DATE date NOT NULL,
  PLACE varchar(20) NOT NULL,
  QUANTITY int NOT NULL
);


CREATE TABLE expiry (
  PRODUCT_NAME varchar(50) NOT NULL,
  PRODUCT_CODE varchar(20) NOT NULL,
  DATE_OF_EXPIRY varchar(10) NOT NULL,
  QUANTITY_REMAIN int NOT NULL
);
```

```
CREATE TABLE
Query returned successfully in 313 msec.
```



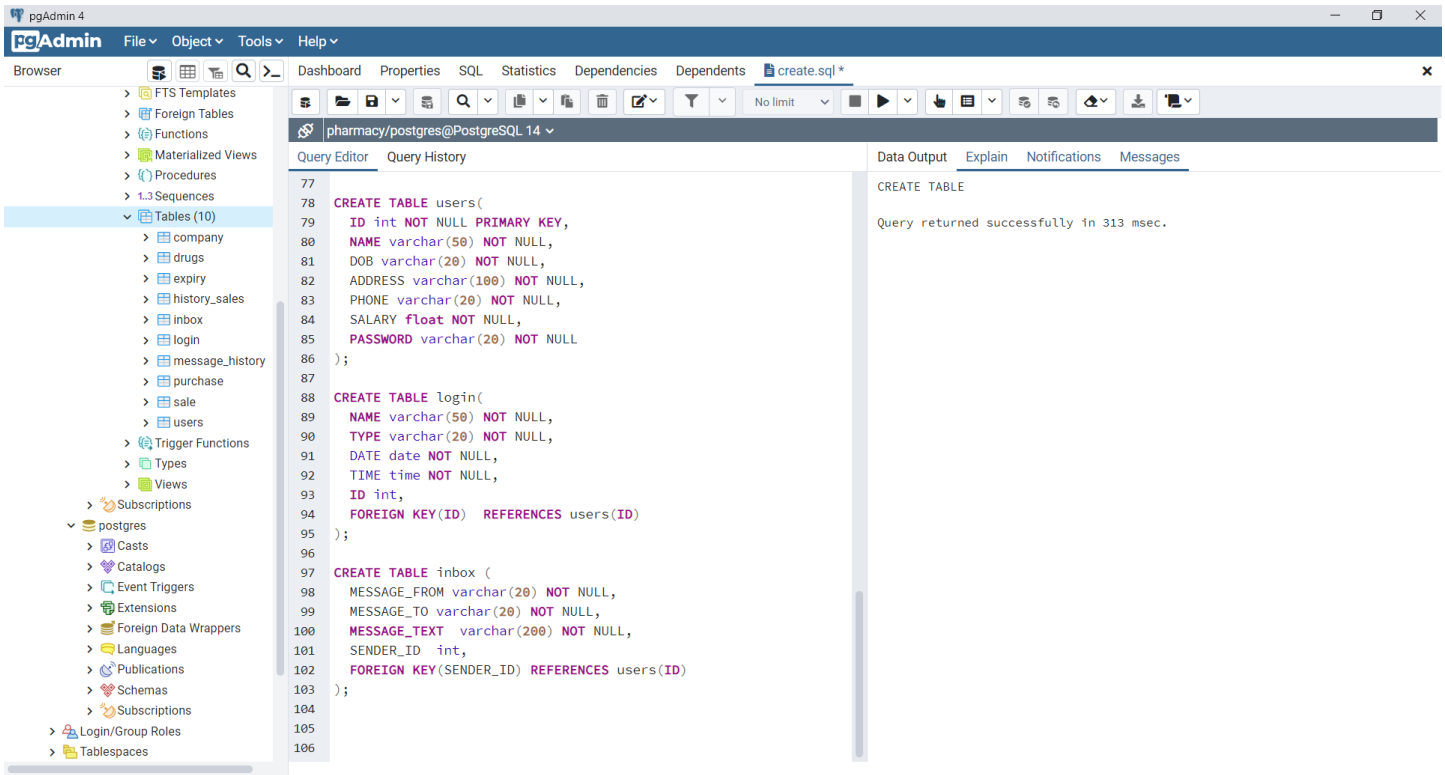
```
);


CREATE TABLE history_sales(
  USER_NAME varchar(20) NOT NULL,
  BARCODE varchar(20) NOT NULL ,
  NAME varchar(50) NOT NULL,
  TYPE varchar(10) NOT NULL,
  DOSE varchar(10) NOT NULL,
  QUANTITY int NOT NULL,
  PRICE float NOT NULL,
  AMOUNT float NOT NULL,
  DATE date NOT NULL,
  TIME time NOT NULL,
  FOREIGN KEY(BARCODE)  REFERENCES  drugs(BARCODE)
);


CREATE TABLE message_history(
  MESSAGE_FROM varchar(20) NOT NULL,
  MESSAGE_TO varchar(20) NOT NULL,
  MESSAGE_TEXT varchar(200) NOT NULL
);

CREATE TABLE purchase(
  BARCODE varchar(20) NOT NULL PRIMARY KEY,
  NAME varchar(50) NOT NULL,
  TYPE varchar(20) NOT NULL,
  COMPANY_NAME varchar(20) NOT NULL ,
```

```
CREATE TABLE
Query returned successfully in 313 msec.
```


pgAdmin 4
pgAdmin
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Object
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Help
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SQL
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Dependents
create.sql *
No limit
pharmacy/postgres@PostgreSQL 14
Query Editor
Query History
Data Output
Explain
Notifications
Messages
CREATE TABLE
Query returned successfully in 313 msec.
FTS Templates
Foreign Tables
Functions
Materialized Views
Procedures
Sequences
Tables (10)
company
drugs
expiry
history_sales
inbox
login
message_history
purchase
sale
users
Trigger Functions
Types
Views
Subscriptions
postgres
Casts
Catalogs
Event Triggers
Extensions
Foreign Data Wrappers
Languages
Publications
Schemas
Subscriptions
Login/Group Roles
Tablespaces
77
78 CREATE TABLE users(
79 ID int NOT NULL PRIMARY KEY,
80 NAME varchar(50) NOT NULL,
81 DOB varchar(20) NOT NULL,
82 ADDRESS varchar(100) NOT NULL,
83 PHONE varchar(20) NOT NULL,
84 SALARY float NOT NULL,
85 PASSWORD varchar(20) NOT NULL
86);
87
88 CREATE TABLE login(
89 NAME varchar(50) NOT NULL,
90 TYPE varchar(20) NOT NULL,
91 DATE date NOT NULL,
92 TIME time NOT NULL,
93 ID int,
94 FOREIGN KEY(ID) REFERENCES users(ID)
95);
96
97 CREATE TABLE inbox (
98 MESSAGE_FROM varchar(20) NOT NULL,
99 MESSAGE_TO varchar(20) NOT NULL,
100 MESSAGE_TEXT varchar(200) NOT NULL,
101 SENDER_ID int,
102 FOREIGN KEY(SENDER_ID) REFERENCES users(ID)
103);
104
105
106

Insert.sql

- INSERT INTO company(NAME, ADDRESS, PHONE)

```
VALUES('Cipla', 'Mumbai', '8523452596'),
('Sun Pharma', 'Mysore', '8971199805'),
('Med_City', 'Nellore', '6669923589'),
('Sanofi','mumbai','6894512397'),
('Johnson & Johnson','banglore','8645321798'),
('Pfizer','hyderabad','9456312878'),
('Abbott','kolkata','8631597234'),
('Glenmark','delhi','7539518264');
```

- INSERT INTO drugs(NAME, TYPE, BARCODE, DOSE, CODE, COST_PRICE, SELLING_PRICE, EXPIRY, COMPANY_NAME, PRODUCTION_DATE, EXPIRATION_DATE,PLACE, QUANTITY)

```
VALUES('Novalo', 'Bills', 'fsdgjfihjorodsf', 'normal', '3d00', 2, 3, 'Available for use', 'Cipla', '2021-03-03', '2023-03-03', 'N-Right', 40),
('novafol', 'Bills', 'ftrkl432432md', 'normal', '2xaa', 33, 40, 'Available for use', 'Sun Pharma', '2020-01-01', '2022-01-01', 'N-Left', 27),
('Abacavir', 'infection', 'fbankjijcfnl56', 'normal', 'bhab', 44, 50, 'Available for use', 'Med_City', '2019-06-09', '2022-04-03', '262 DannyThomasPlace', 100),
('Amifostine', 'Anxiety', 'fnjldhicfjaipsk', 'normal', '2cf5', 39, 55, 'Available for use', 'Sanofi', '2021-03-05', '2023-05-07', '262 DannyThomasPlace', 90),
('Calcium', 'mineral', 'fois54hiusdh', 'normal', 'sd3d', 69, 80, 'Available for use', 'Johnson & Johnson', '2020-08-08', '2025-11-18', 'N-Left', 150),
('Clindamycin', 'skin', 'fljhsfc35bsyc', 'normal', 'sbcr', 50, 60, 'Available for use', 'Pfizer', '2021-12-12', '2022-11-15', 'N-Left', 80),
('Dopamine', 'Lbp', 'fkjoifjp5sjlhvu', 'normal', '52kh', 100, 150, 'Available for use', 'Abbott', '2020-09-22', '2025-09-30', 'N-right', 200),
('Morphine', 'Painkiller', 'fkjhsido54zsc', 'normal', 'fs25', 250, 270, 'Available for use', 'Glenmark', '2021-05-25', '2024-12-09', '262 DannyThomasPlace', 300);
```

- INSERT INTO expiry(PRODUCT_NAME, PRODUCT_CODE, DATE_OF_EXPIRY, QUANTITY_REMAIN)

```
VALUES('Novalo','3d00', '2023-03-03',10),
('novafol','2xaa', '2022-01-01',5),
('Abacavir','bhaba','2022-04-03',2),
('Amifostine','2cf5','2021-01-01',5),
('Calcium','sd3d','2019-05-06',30),
('Clindamycin','sbcr','2018-04-09',100),
('Dopamine','52kh','2019-03-09',50),
('Morphine','fs25','2017-12-25',200);
```

- INSERT INTO history_sales(USER_NAME, BARCODE, NAME, TYPE, DOSE, QUANTITY, PRICE, AMOUNT, DATE, TIME)

```
VALUES('admin', 'fsdgjfihjorodsf', 'Novalo', 'Bills', ' Free used', 2, 6, 12, '12-02-2017', '05:02:06'),
('admin', 'ftrkl432432md', 'novafol', 'Bills', ' Free used', 2, 6, 12, '12-02-2017', '05:02:26'),
('admin', 'fbankjijcfnl56', 'novafol', 'Bills', ' Free used', 4, 6, 24, '12-02-2017', '05:02:40'),
('admin', 'fnjldhicfjaipsk', 'Amifostine', 'Injection', '1 (Day)', 2, 14, 28, '13-02-2017', '01:38:00'),
```

('admin', 'fois54hiusdh', 'Calcium', 'Injection', '1 (Day)', 2, 14, 28, '13-02-2017', '01:38:10'),
('admin', 'fljhsfc35bsyc', 'Clindamycin', 'Injection', '1 (Day)', 7, 14, 98, '13-02-2017', '01:38:28'),
('admin', 'fkjoifjp5sjlhvu', 'Dopamine', 'Injection', '1 (Day)', 1, 14, 14, '13-02-2017', '01:38:46'),
('mark', 'fkjhsido54zsc', 'Morphine', 'Bills', ' Free used', 2, 6, 12, '13-02-2017', '01:59:34');

➢ INSERT INTO purchase(BARCODE, NAME, TYPE, COMPANY_NAME, QUANTITY, PRICE, AMOUNT)
VALUES('fsdgjfihjorodsf', 'Novalo', 'Bills', 'Cipla', 40, 2, 80),
('ftrkl432432md','novafol','Bills','Sun Pharma',20,33,660),
('fkjhsido54zsc','Morphine','Painkiller','Med_City',4,270,1088),
('fkjoifjp5sjlhvu','Dopamine','Lbp','Sanofi',10,150,1500),
('fljhsfc35bsyc','Clindamycin','skin','Johnson & Johnson',5,60,300),
('fnjldhicfjaipsk','Amifostine','Anxiety','Pfizer',10,55,550),
('fois54hiusdh','Calcium','mineral','Abbott',30,80,1100),
('fbankjijcfnl56','Abacavir','infection','Glenmark',20,50,100);

➢ INSERT INTO sale(BARCODE,NAME,TYPE,DOSE,QUANTITY,PRICE,AMOUNT,DATE)
VALUES('fkjoifjp5sjlhvu','dopamine','Lbp','normal',2,150,300,'12-10-2021'),
('fljhsfc35bsyc','Clindamycin','skin','normal',4,60,200,'12-10-2021'),
('fnjldhicfjaipsk','Amifostine','Anxiety','normal',10,39,400,'13-10-2021'),
('fljhsfc35bsyc','Clindamycin','skin','normal',4,60,200,'13-10-2021'),
('fkjoifjp5sjlhvu','dopamine','Lbp','normal',2,150,300,'14-10-2021'),
('fkjhsido54zsc','Morphine','Painkiller','normal',10,270,2700,'14-10-2021'),
('fois54hiusdh','Calcium','mineral','normal',50,80,4000,'14-10-2021'),
('fbankjijcfnl56','Abacavir','infection','normal',50,50,1000,'14-10-2021');

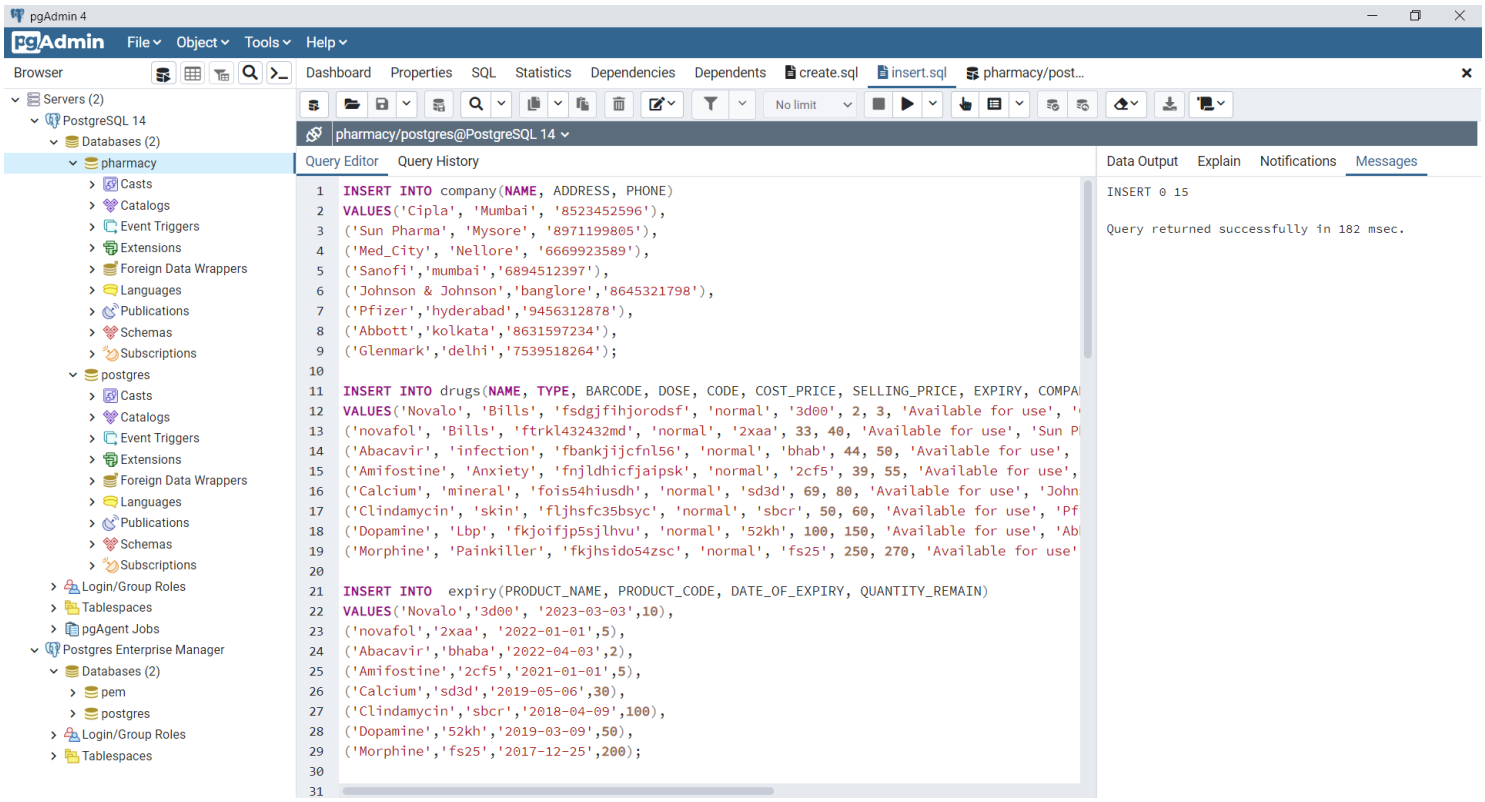
➢ INSERT INTO users(ID, NAME, DOB, ADDRESS, PHONE, SALARY, PASSWORD)
VALUES(1, 'admin', '23-12-1995', 'Banglore', '9800000000', 50000, 'admin'),
(2, 'mark', '3-2-1972', 'Bangalore ', '9632587418', 2000, 'mark'),
(3, 'clark', '3-2-1971', 'Richmond circle', '8521479633', 4000, 'rootaccess'),
(4, 'arya', '7-8-1977', ' Banglore', '6478932143', 3000, 'rootaccess'),
(5,'bhavana','3-4-2002','Banglore','9980589711',10000,'rootaccess'),
(6,'basana','12-07-2001','Belgaum','6547893218',7000,'rootaccess'),
(7,'bhagya','06-06-2001','Banglore','8265479313',9000,'rootaccess'),
(8,' Tom','09-06-2001','mumbai','8971199805',10000,'rootaccess');

➢ INSERT INTO login(NAME, TYPE, DATE, TIME,ID)
VALUES('admin', 'Admin', '17-02-2017', '10:30:24',1),
('admin', 'Admin', '17-02-2017', '10:32:48',2),
('mark', 'Employee', '17-02-2017', '10:32:56',1),
('admin', 'Admin', '17-02-2017', '10:33:10',1),
('bhavana', 'Employee', '17-02-2017', '10:33:37',5),
('admin', 'Admin', '17-02-2017', '10:36:21',1),
('basana', 'Admin', '17-02-2017', '10:36:53',6),
('admin', 'Admin', '17-02-2017', '10:49:27',1),

('bhagya', 'Admin', '17-02-2017', '11:02:23',7),
('admin', 'Admin', '17-02-2017', '01:40:08',1);

➢ INSERT INTO inbox(MESSAGE_FROM, MESSAGE_TO, MESSAGE_TEXT,SENDER_ID) VALUES
('admin', 'mark', 'Welcome ',1),
('mark', 'admin', 'Welcome sir',2),
('admin', 'bhavana', 'Hay , bhavana ',1),
('mark', 'admin', 'Hay ',2),
('mark', 'admin', 'Welcome',2),
('admin', 'basana', 'Hello ',1),
('admin', 'mark', ' Please go and update\nthe drug roof ',1),
('admin', 'bhagya', 'Welcome',1),
('admin', 'mark', 'This is your salary on the disk , \n3000 , close in 12 ; good luck',1),
('admin', 'mark', 'good job meet me in five',1),
('bhagya', 'admin', 'Ok i will ',7),
('admin', 'mark', 'gdfgfdgfdgfdg',1),
('admin', 'mark', 'haaaaaaaaaaaaaaaai',1),
('admin', 'mark', 'What is wrong ? ',1),
('mark', 'admin', 'I am okay thanks ',2);

EXECUTION OF INSERT COMMANDS SCREENSHOTS



pgAdmin 4

File Object Tools Help

Browser

Dashboard Properties SQL Statistics Dependencies Dependents create.sql insert.sql pharmacy/post...

No limit

pharmacy/postgres@PostgreSQL 14

Query Editor Query History

Data Output Explain Notifications Messages

```
INSERT 0 15

Query returned successfully in 182 msec.
```

- Servers (2)
  - PostgreSQL 14
    - Databases (2)
      - pharmacy
        - Casts
        - Catalogs
        - Event Triggers
        - Extensions
        - Foreign Data Wrappers
        - Languages
        - Publications
        - Schemas
        - Subscriptions
      - postgres
        - Casts
        - Catalogs
        - Event Triggers
        - Extensions
        - Foreign Data Wrappers
        - Languages
        - Publications
        - Schemas
        - Subscriptions
    - Login/Group Roles
    - Tablespaces
    - pgAgent Jobs
  - Postgres Enterprise Manager
    - Databases (2)
      - pem
      - postgres
    - Login/Group Roles
    - Tablespaces

```
30
31  INSERT INTO history_sales(USER_NAME, BARCODE, NAME, TYPE, DOSE, QUANTITY, PRICE, AMOUNT, DA
32  VALUES('admin', 'fsdgjfihjorodsf', 'Novalo', 'Bills', ' Free used', 2, 6, 12, '12-02-2017',
33  ('admin', 'ftrkl432432md', 'novafol', 'Bills', ' Free used', 2, 6, 12, '12-02-2017', '05:02
34  ('admin', 'fbankjijcfnl56', 'novafol', 'Bills', ' Free used', 4, 6, 24, '12-02-2017', '05:0
35  ('admin', 'fnjldhicfjaipsk', 'Amifostine', 'Injection', '1 (Day)', 2, 14, 28, '13-02-2017',
36  ('admin', 'fois54hiusdh', 'Calcium', 'Injection', '1 (Day)', 2, 14, 28, '13-02-2017', '01:3
37  ('admin', 'fljhsfc35bsyc', 'Clindamycin', 'Injection', '1 (Day)', 7, 14, 98, '13-02-2017',
38  ('admin', 'fkjoifjp5sjlhvu', 'Dopamine', 'Injection', '1 (Day)', 1, 14, 14, '13-02-2017', '
39  ('mark', 'fkjhsido54zsc', 'Morphine', 'Bills', ' Free used', 2, 6, 12, '13-02-2017', '01:59
40
41  INSERT INTO purchase(BARCODE, NAME, TYPE, COMPANY_NAME, QUANTITY, PRICE, AMOUNT)
42  VALUES('fsdgjfihjorodsf', 'Novalo', 'Bills', 'Cipla', 40, 2, 80),
43  ('ftrkl432432md','novafol','Bills','Sun Pharma',20,33,660),
44  ('fkjhsido54zsc','Morphine','Painkiller','Med_City',4,270,1088),
45  ('fkjoifjp5sjlhvu','Dopamine','Lbp','Sanofi',10,150,1500),
46  ('fljhsfc35bsyc','Clindamycin','skin','Johnson & Johnson',5,60,300),
47  ('fnjldhicfjaipsk','Amifostine','Anxiety','Pfizer',10,55,550),
48  ('fois54hiusdh','Calcium','mineral','Abbott',30,80,1100),
49  ('fbankjijcfnl56','Abacavir','infection','Glenmark',20,50,100);
50
51  INSERT INTO sale(BARCODE,NAME,TYPE,DOSE,QUANTITY,PRICE,AMOUNT,DATE)
52  VALUES('fkjoifjp5sjlhvu','dopamine','Lbp','normal',2,150,300,'12-10-2021'),
53  ('fljhsfc35bsyc','Clindamycin','skin','normal',4,60,200,'12-10-2021'),
54  ('fnjldhicfjaipsk','Amifostine','Anxiety','normal',10,39,400,'13-10-2021'),
55  ('fljhsfc35bsyc','Clindamycin','skin','normal',4,60,200,'13-10-2021'),
56  ('fkjoifjp5sjlhvu','dopamine','Lbp','normal',2,150,300,'14-10-2021'),
57  ('fkjhsido54zsc','Morphine','Painkiller','normal',10,270,2700,'14-10-2021'),
58  ('fois54hiusdh','Calcium','mineral','normal',50,80,4000,'14-10-2021'),
59  ('fbankjijcfnl56','Abacavir','infection','normal',50,50,1000,'14-10-2021');
60
```

pgAdmin 4

File Object Tools Help

Browser

Dashboard Properties SQL Statistics Dependencies Dependents create.sql insert.sql pharmacy/post...

No limit

pharmacy/postgres@PostgreSQL 14

Query Editor Query History

Data Output Explain Notifications Messages

INSERT 0 15

Query returned successfully in 182 msec.

- Servers (2)
  - PostgreSQL 14
    - Databases (2)
      - pharmacy
        - Casts
        - Catalogs
        - Event Triggers
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        - Languages
        - Publications
        - Schemas
        - Subscriptions
      - postgres
        - Casts
        - Catalogs
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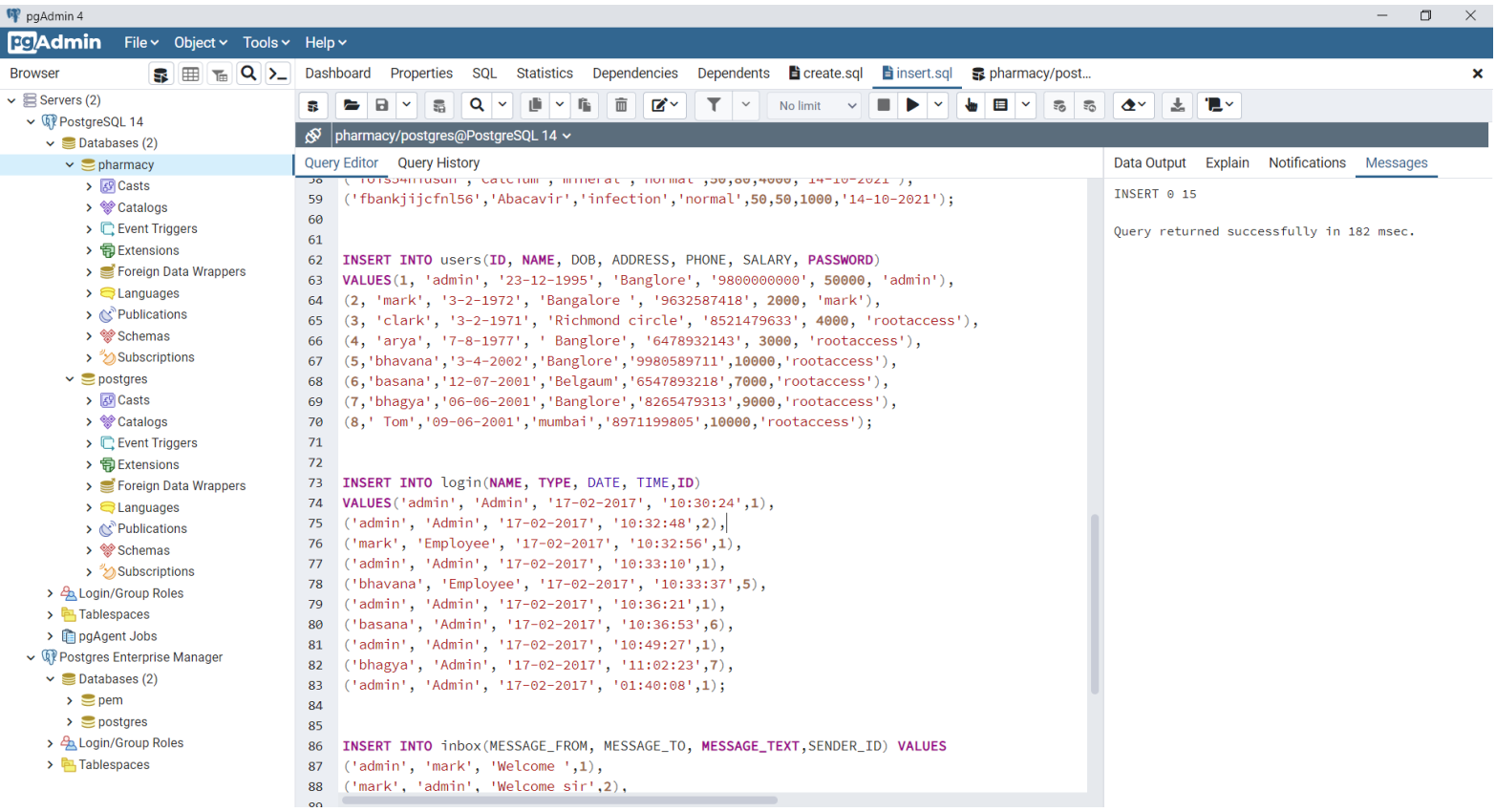
    - Login/Group Roles
    - Tablespaces
    - pgAgent Jobs
  - Postgres Enterprise Manager
    - Databases (2)
      - pem
      - postgres
    - Login/Group Roles
    - Tablespaces

```
75  ('admin', 'Admin', '17-02-2017', '10:32:48',2),
76  ('mark', 'Employee', '17-02-2017', '10:32:56',1),
77  ('admin', 'Admin', '17-02-2017', '10:33:10',1),
78  ('bhavana', 'Employee', '17-02-2017', '10:33:37',5),
79  ('admin', 'Admin', '17-02-2017', '10:36:21',1),
80  ('basana', 'Admin', '17-02-2017', '10:36:53',6),
81  ('admin', 'Admin', '17-02-2017', '10:49:27',1),
82  ('bhagya', 'Admin', '17-02-2017', '11:02:23',7),
83  ('admin', 'Admin', '17-02-2017', '01:40:08',1);
84
85
86  INSERT INTO inbox(MESSAGE_FROM, MESSAGE_TO, MESSAGE_TEXT,SENDER_ID) VALUES
87  ('admin', 'mark', 'Welcome ',1),
88  ('mark', 'admin', 'Welcome sir',2),
89  ('admin', 'bhavana', 'Hay , bhavana ',1),
90  ('mark', 'admin', 'Hay ',2),
91  ('mark', 'admin', 'Welcome',2),
92  ('admin', 'basana', 'Hello ',1),
93  ('admin', 'mark', ' Please go and update\nthe drug roof ',1),
94  ('admin', 'bhagya', 'Welcome',1),
95  ('admin', 'mark', 'This is your salary on the disk , \n3000 , close in 12  ; good luck',1),
96  ('admin', 'mark', 'good job meet me in five',1),
97  ('bhagya', 'admin', 'Ok i will ',7),
98  ('admin', 'mark', 'gdfgfdgfdgfdg',1),
99  ('admin', 'mark', 'haaaaaaaaaaaaaaai',1),
100 ('admin', 'mark', 'What is wrong ? ',1),
101 ('mark', 'admin', 'I am okay thanks ',2);
102
103
104
```


pgAdmin 4
File Object Tools Help
Browser
Dashboard Properties SQL Statistics Dependencies Dependents create.sql insert.sql pharmacy/post...
No limit
pharmacy/postgres@PostgreSQL 14
Query Editor Query History
Data Output Explain Notifications Messages
INSERT 0 15
Query returned successfully in 182 msec.
('fbankjijcfnl56','Abacavir','infection','normal',50,50,1000,'14-10-2021');
INSERT INTO users(ID, NAME, DOB, ADDRESS, PHONE, SALARY, PASSWORD)
VALUES(1, 'admin', '23-12-1995', 'Banglore', '9800000000', 50000, 'admin'),
(2, 'mark', '3-2-1972', 'Bangalore ', '9632587418', 2000, 'mark'),
(3, 'clark', '3-2-1971', 'Richmond circle', '8521479633', 4000, 'rootaccess'),
(4, 'arya', '7-8-1977', ' Banglore', '6478932143', 3000, 'rootaccess'),
(5,'bhavana','3-4-2002','Banglore','9980589711',10000,'rootaccess'),
(6,'basana','12-07-2001','Belgaum','6547893218',7000,'rootaccess'),
(7,'bhagya','06-06-2001','Banglore','8265479313',9000,'rootaccess'),
(8,' Tom','09-06-2001','mumbai','8971199805',10000,'rootaccess');
INSERT INTO login(NAME, TYPE, DATE, TIME,ID)
VALUES('admin', 'Admin', '17-02-2017', '10:30:24',1),
('admin', 'Admin', '17-02-2017', '10:32:48',2),
('mark', 'Employee', '17-02-2017', '10:32:56',1),
('admin', 'Admin', '17-02-2017', '10:33:10',1),
('bhavana', 'Employee', '17-02-2017', '10:33:37',5),
('admin', 'Admin', '17-02-2017', '10:36:21',1),
('basana', 'Admin', '17-02-2017', '10:36:53',6),
('admin', 'Admin', '17-02-2017', '10:49:27',1),
('bhagya', 'Admin', '17-02-2017', '11:02:23',7),
('admin', 'Admin', '17-02-2017', '01:40:08',1);
INSERT INTO inbox(MESSAGE_FROM, MESSAGE_TO, MESSAGE_TEXT,SENDER_ID) VALUES
('admin', 'mark', 'Welcome ',1),
('mark', 'admin', 'Welcome sir',2),
Servers (2)
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Databases (2)
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Foreign Data Wrappers
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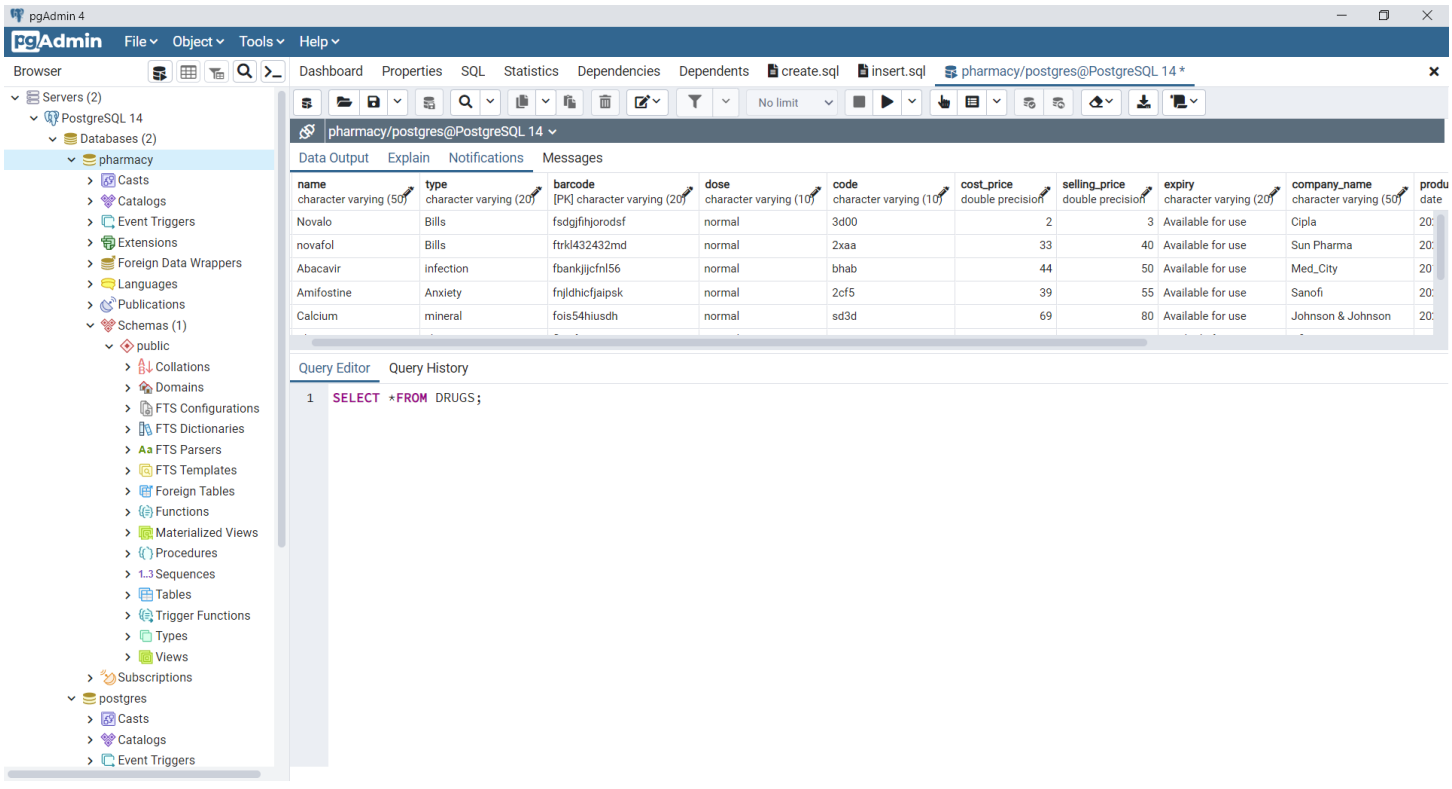
pgAdmin 4
File Object Tools Help
Browser
Dashboard Properties SQL Statistics Dependencies Dependents create.sql insert.sql pharmacy/postgres@PostgreSQL 14 *
No limit
pharmacy/postgres@PostgreSQL 14
Data Output Explain Notifications Messages
name character varying (50)
type character varying (20)
barcode [PK] character varying (20)
dose character varying (10)
code character varying (10)
cost_price double precision
selling_price double precision
expiry character varying (20)
company_name character varying (50)
Novalo Bills fsdgjfihjorodsf normal 3d00 2 3 Available for use Cipla
novafol Bills ftrkl432432md normal 2xaa 33 40 Available for use Sun Pharma
Abacavir infection fbankjijcfnl56 normal bhab 44 50 Available for use Med_City
Amifostine Anxiety fnjldhicfjaipsk normal 2cf5 39 55 Available for use Sanofi
Calcium mineral fois54hiusdh normal sd3d 69 80 Available for use Johnson & Johnson
Query Editor Query History
SELECT *FROM DRUGS;
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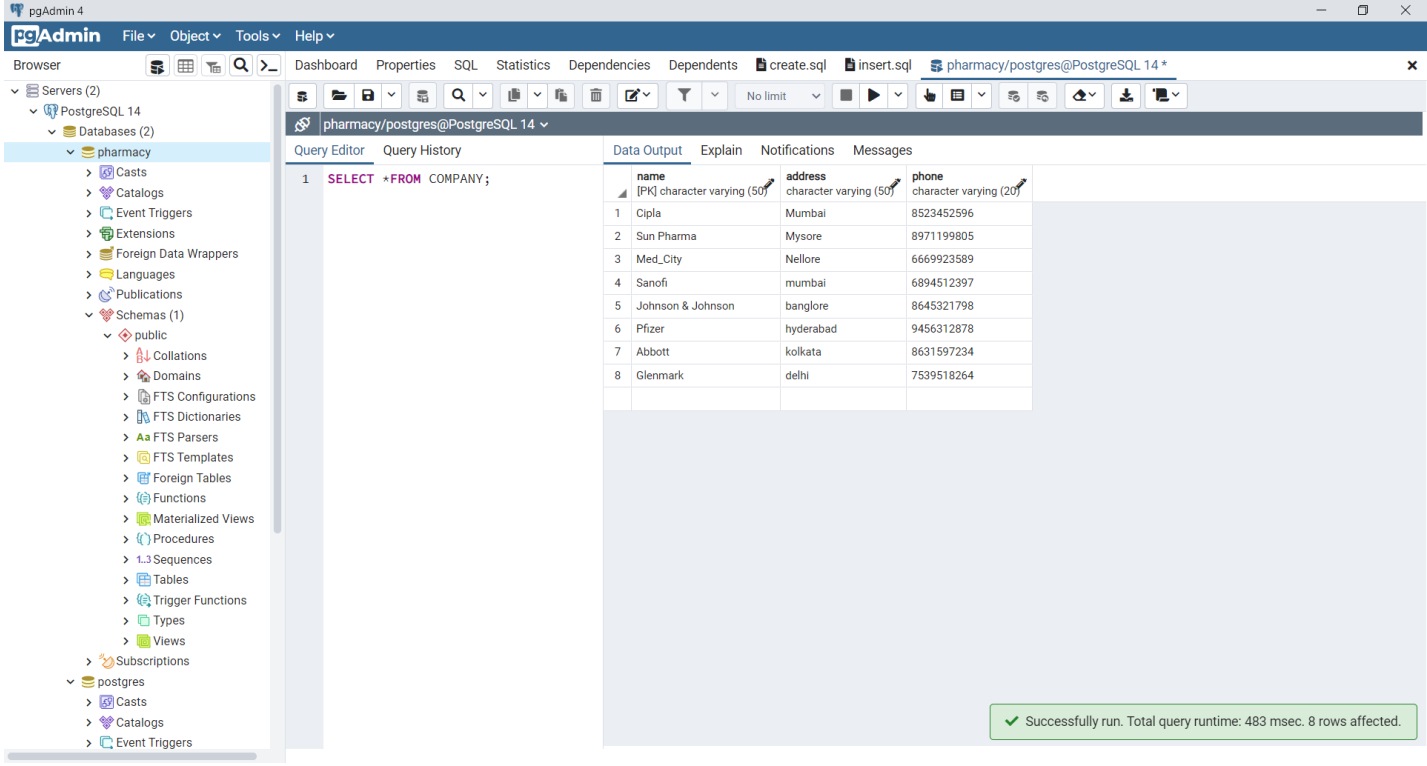
pgAdmin 4
File Object Tools Help
Browser
Dashboard Properties SQL Statistics Dependencies Dependents create.sql insert.sql pharmacy/postgres@PostgreSQL 14 *
Servers (2)
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FTS Configurations
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Sequences
Tables
Trigger Functions
Types
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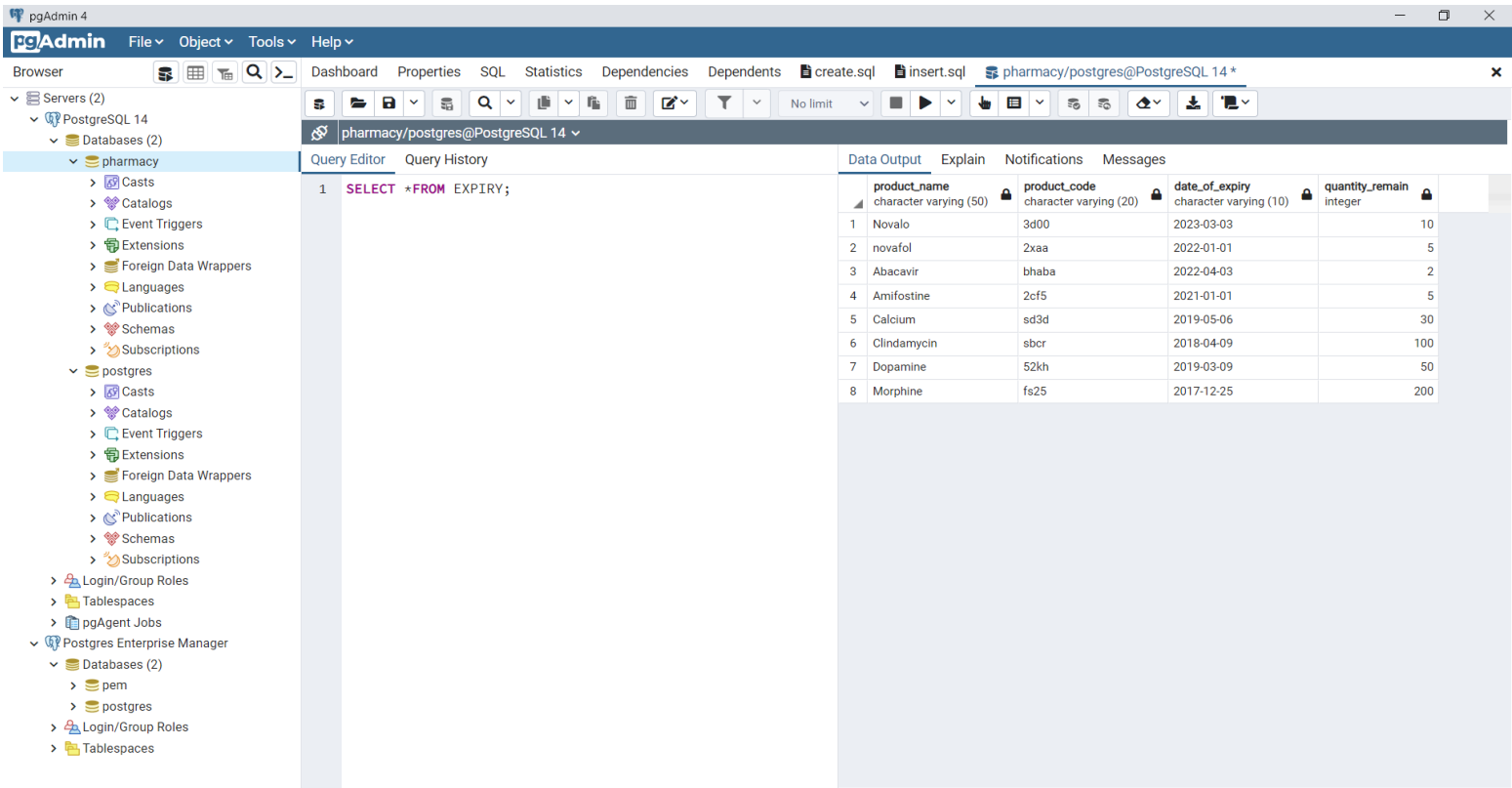
No limit
pharmacy/postgres@PostgreSQL 14
Query Editor
Query History
1 SELECT *FROM COMPANY;
Data Output
Explain
Notifications
Messages
name [PK] character varying (50)
address character varying (50)
phone character varying (20)
1 Cipla Mumbai 8523452596
2 Sun Pharma Mysore 8971199805
3 Med_City Nellore 6669923589
4 Sanofi mumbai 6894512397
5 Johnson & Johnson banglore 8645321798
6 Pfizer hyderabad 9456312878
7 Abbott kolkata 8631597234
8 Glenmark delhi 7539518264
Successfully run. Total query runtime: 483 msec. 8 rows affected.


pgAdmin 4
File Object Tools Help
Browser
Dashboard Properties SQL Statistics Dependencies Dependents create.sql insert.sql pharmacy/postgres@PostgreSQL 14 *
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Subscriptions
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pgAgent Jobs
Postgres Enterprise Manager
Databases (2)
pem
postgres
Login/Group Roles
Tablespaces
No limit
pharmacy/postgres@PostgreSQL 14
Query Editor
Query History
1 SELECT *FROM EXPIRY;
Data Output
Explain
Notifications
Messages
product_name character varying (50)
product_code character varying (20)
date_of_expiry character varying (10)
quantity_remain integer
1 Novalo 3d00 2023-03-03 10
2 novafol 2xaa 2022-01-01 5
3 Abacavir bhaba 2022-04-03 2
4 Amifostine 2cf5 2021-01-01 5
5 Calcium sd3d 2019-05-06 30
6 Clindamycin sbcr 2018-04-09 100
7 Dopamine 52kh 2019-03-09 50
8 Morphine fs25 2017-12-25 200

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File Object Tools Help

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        - Publications
        - Schemas
        - Subscriptions
      - postgres
        - Casts
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    - Tablespaces
    - pgAgent Jobs
  - Postgres Enterprise Manager
    - Databases (2)
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      - postgres
    - Login/Group Roles
    - Tablespaces

No limit

pharmacy/postgres@PostgreSQL 14

Query Editor Query History

```
1  SELECT *FROM history_sales;
```

Data Output Explain Notifications Messages

	user_name character varying (20)	barcode character varying (20)	name character varying (50)	type character varying (10)	dose character varying (10)	quar inteq
1	admin	fsdgjfihjorodsf	Novalo	Bills	[...] Free used	
2	admin	ftrkl432432md	novafol	Bills	[...] Free used	
3	admin	fbankjijcfnl56	novafol	Bills	[...] Free used	
4	admin	fnjldhicfjaipsk	Amifostine	Injection	1 (Day)	
5	admin	fois54hiusdh	Calcium	Injection	1 (Day)	
6	admin	fljhsfc35bsyc	Clindamycin	Injection	1 (Day)	
7	admin	fkjoifjp5sjlhvu	Dopamine	Injection	1 (Day)	
8	mark	fkjhsido54zsc	Morphine	Bills	[...] Free used	

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File Object Tools Help

Browser

Dashboard Properties SQL Statistics Dependencies Dependents create.sql insert.sql pharmacy/postgres@PostgreSQL 14 *

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pharmacy/postgres@PostgreSQL 14

Query Editor Query History

```
1  SELECT *FROM  purchase;
```

Data Output Explain Notifications Messages

	barcode [PK] character varying (20)	name character varying (50)	type character varying (20)	company_name character varying (20)	quantity integer	price double precis
1	fsdgjfihjorodsf	Novalo	Bills	Cipla	40	
2	ftrkl432432md	novafol	Bills	Sun Pharma	20	
3	fkjhsido54zsc	Morphine	Painkiller	Med_City	4	
4	fkjoifjp5sjlhvu	Dopamine	Lbp	Sanofi	10	
5	fljhsfc35bsyc	Clindamycin	skin	Johnson & Johnson	5	
6	fnjldhicfjaipsk	Amifostine	Anxiety	Pfizer	10	
7	fois54hiusdh	Calcium	mineral	Abbott	30	
8	fbankjijcfnl56	Abacavir	infection	Glenmark	20	

Successfully run. Total query runtime: 79 msec. 8 rows affected.

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File Object Tools Help

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Dashboard Properties SQL Statistics Dependencies Dependents create.sql insert.sql pharmacy/postgres@PostgreSQL 14 *

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Data Output Explain Notifications Messages

	barcode character varying (20)	name character varying (50)	type character varying (10)	dose character varying (10)	quantity integer	price double precision	amount double precision	date date
1	fkjoifjp5sjlhvu	dopamine	Lbp	normal	2	150	300	2021-10-12
2	fljhsfc35bsyc	Clindamycin	skin	normal	4	60	200	2021-10-12
3	fnjldhicfjaipsk	Amifostine	Anxiety	normal	10	39	400	2021-10-13
4	fljhsfc35bsyc	Clindamycin	skin	normal	4	60	200	2021-10-13
5	fkjoifjp5sjlhvu	dopamine	Lbp	normal	2	150	300	2021-10-14
6	fkjhsido54zsc	Morphine	Painkiller	normal	10	270	2700	2021-10-14

Query Editor Query History

```
1  SELECT *FROM sale;
```

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File Object Tools Help

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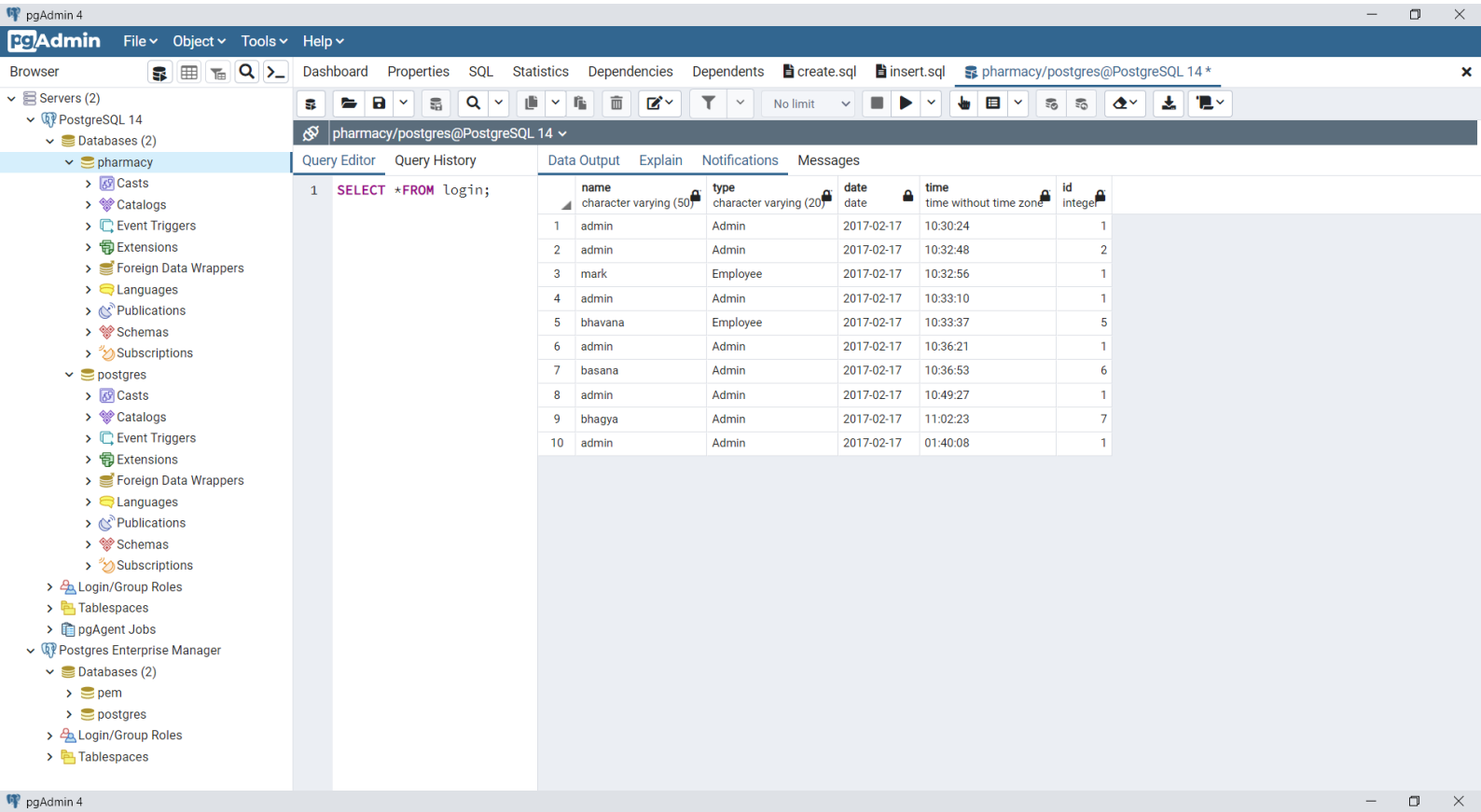
Query Editor Query History

```
1  SELECT *FROM users;
```

Data Output Explain Notifications Messages

	id [PK] integer	name character varying (50)	dob character varying (20)	address character varying (100)	phone character varying (20)	salary double precision	password character varying (20)
1	1	admin	23-12-1995	Banglore	9800000000	50000	admin
2	2	mark	3-2-1972	Bangalore	9632587418	2000	mark
3	3	clark	3-2-1971	Richmond circle	8521479633	4000	rootaccess
4	4	arya	7-8-1977	[...] Banglore	6478932143	3000	rootaccess
5	5	bhavana	3-4-2002	Banglore	9980589711	10000	rootaccess
6	6	basana	12-07-2001	Belgaum	6547893218	7000	rootaccess
7	7	bhagya	06-06-2001	Banglore	8265479313	9000	rootaccess
8	8	[...] Tom	09-06-2001	mumbai	8971199805	10000	rootaccess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File Object Tools Help
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Dashboard Properties SQL Statistics Dependencies Dependents create.sql insert.sql pharmacy/postgres@PostgreSQL 14 *
No limit
pharmacy/postgres@PostgreSQL 14
Query Editor Query History
1 SELECT *FROM login;
Data Output Explain Notifications Messages
name character varying (50)
type character varying (20)
date date
time time without time zone
id integer
1 admin Admin 2017-02-17 10:30:24 1
2 admin Admin 2017-02-17 10:32:48 2
3 mark Employee 2017-02-17 10:32:56 1
4 admin Admin 2017-02-17 10:33:10 1
5 bhavana Employee 2017-02-17 10:33:37 5
6 admin Admin 2017-02-17 10:36:21 1
7 basana Admin 2017-02-17 10:36:53 6
8 admin Admin 2017-02-17 10:49:27 1
9 bhagya Admin 2017-02-17 11:02:23 7
10 admin Admin 2017-02-17 01:40:08 1
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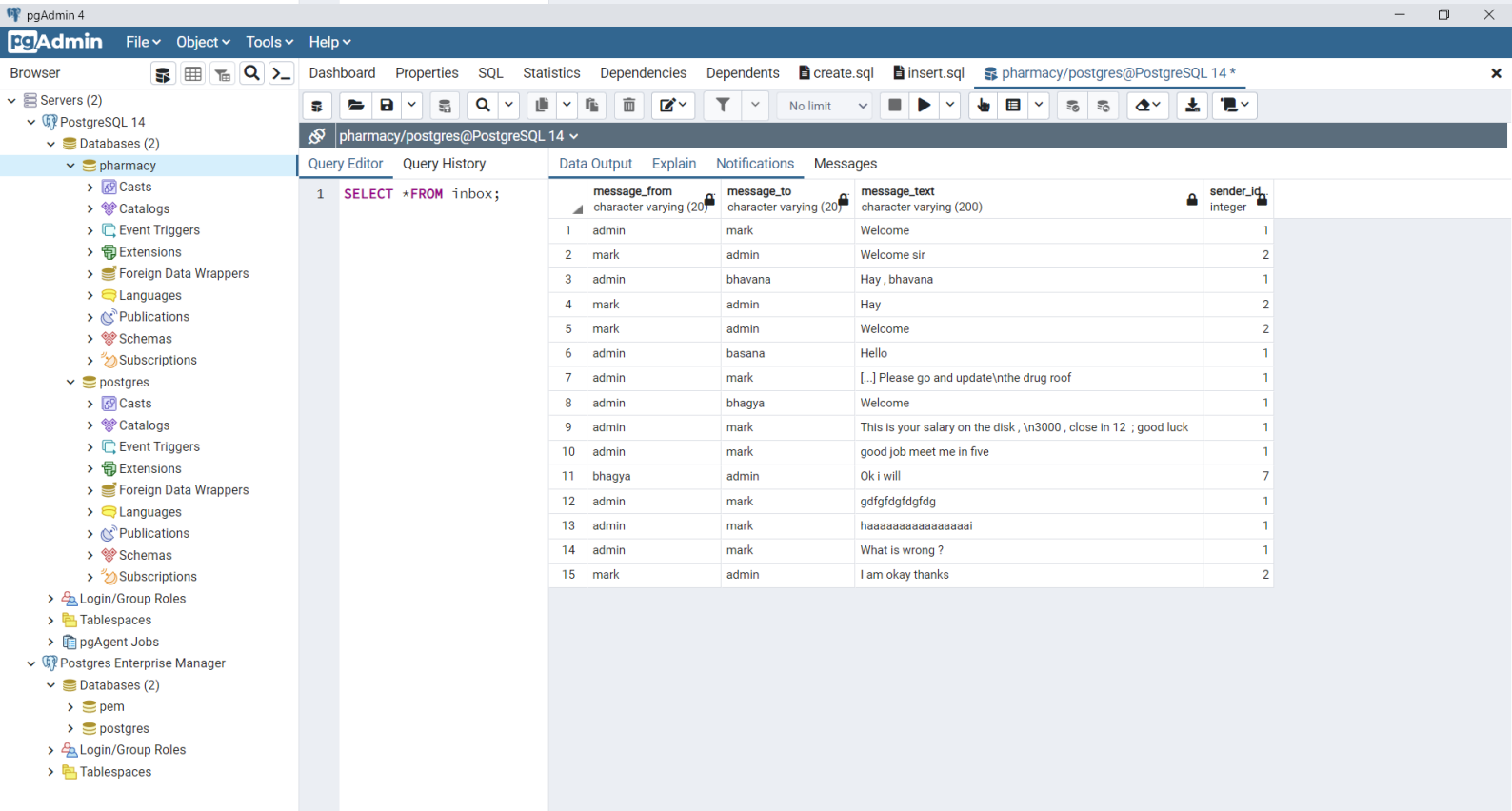
pgAdmin 4
File Object Tools Help
Browser
Dashboard Properties SQL Statistics Dependencies Dependents create.sql insert.sql pharmacy/postgres@PostgreSQL 14 *
No limit
pharmacy/postgres@PostgreSQL 14
Query Editor Query History
1 SELECT *FROM inbox;
Data Output Explain Notifications Messages
message_from character varying (20)
message_to character varying (20)
message_text character varying (200)
sender_id integer
1 admin mark Welcome 1
2 mark admin Welcome sir 2
3 admin bhavana Hay , bhavana 1
4 mark admin Hay 2
5 mark admin Welcome 2
6 admin basana Hello 1
7 admin mark [...] Please go and update\nthe drug roof 1
8 admin bhagya Welcome 1
9 admin mark This is your salary on the disk , \n3000 , close in 12 ; good luck 1
10 admin mark good job meet me in five 1
11 bhagya admin Ok i will 7
12 admin mark gdfgfdgfdgfdg 1
13 admin mark haaaaaaaaaaaaaaaai 1
14 admin mark What is wrong ? 1
15 mark admin I am okay thanks 2
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CONTRIBUTION

BASANAGOUDA S HADIMANI -PES2UG19CS089 – performed create.sql file and respective screenshots
BHAVANA R -PES2UG19CS089- PERFORMED insert.sql file and selecting from database , with respective screenshots
Bhagyashree shankar-PES2UG19CS085 – completed report .

Create.sql – approx 1-2 hours to perform create statements
Insert.sql - approx 1-2 hours
Report – 45 mins