

pgAdmin 4

File Object Tools Help

Object Explorer

- Servers (1)
 - Fe513
 - Databases (1)
 - postgres
 - Login/Group Roles
 - Tablespaces

Dashboard Properties SQL Statistics Dependencies Dependents Processes Assignment 2.sql*

postgres/postgres@Fe513

No limit

Query Query History

```
4
5 -- Creating Database
6 CREATE DATABASE ASSIGNMENT2
7 WITH
8 OWNER = postgres
9 ENCODING = 'UTF8'
10 LC_COLLATE = 'English_United_States.1252'
11 LC_CTYPE = 'English_United_States.1252'
12 TABLESPACE = pg_default
13 CONNECTION LIMIT = -1
14 IS_TEMPLATE = False;
15
16
17
18
19
20
```

Scratch Pad

Data Output Messages Notifications

CREATE DATABASE

Query returned successfully in 673 msec.

Total rows: 2 of 2 Query complete 00:00:00.673 Ln 6, Col 26

Servers > Fe513 > Databases > assignment2

Search

06:32 PM 10/31/2023

pgAdmin 4

File Object Tools Help

Object Explorer

- Servers (1)
 - Fe513
 - Databases (1)
 - postgres
 - Login/Group Roles
 - Tablespaces

Dashboard Properties SQL Statistics Dependencies Dependents Processes Assignment 2.sql*

postgres/postgres@Fe513

No limit

Query Query History

```
13 CONNECTION LIMIT = 1
14 IS_TEMPLATE = False;
15
16
17 -- Creating World table to store country information
18 CREATE TABLE World (
19     name VARCHAR PRIMARY KEY,
20     continent VARCHAR,
21     area INT,
22     population INT,
23     gdp BIGINT
24 );
25
26 -- Inserting data into World table
27 INSERT INTO World (name, continent, area, population, gdp)
28 VALUES ('Afghanistan', 'Asia', 652230, 25500100, 20343000000);
29
```

Scratch Pad

Data Output Messages Notifications

CREATE TABLE

Query returned successfully in 64 msec.

Total rows: 2 of 2 Query complete 00:00:00.064 Ln 25, Col 1

Servers > Fe513 > Databases > assignment2

Search

06:36 PM 10/31/2023

pgAdmin 4

File Object Tools Help

Object Explorer

- Servers (1)
 - Fe513
 - Databases (1)
 - postgres
 - Login/Group Roles
 - Tablespaces

Dashboard Properties SQL Statistics Dependencies Dependents Processes Assignment 2.sql*

postgres/postgres@Fe513

No limit

Query Query History

```
24 );
25
26 -- Inserting data into World table
27 INSERT INTO World (name, continent, area, population, gdp)
28 VALUES ('Afghanistan', 'Asia', 652230, 25500100, 20343000000);
29
30 INSERT INTO World (name, continent, area, population, gdp)
31 VALUES ('Albania', 'Europe', 28748, 2831741, 1296000000);
32
33 INSERT INTO World (name, continent, area, population, gdp)
34 VALUES ('Algeria', 'Africa', 2381741, 37100000, 188681000000);
35
36 INSERT INTO World (name, continent, area, population, gdp)
37 VALUES ('Andorra', 'Europe', 468, 78115, 371200000);
38
39 INSERT INTO World (name, continent, area, population, gdp)
40 VALUES ('Angola', 'Africa', 1246700, 20609294, 10099000000);
41
42 SELECT * FROM World;
43
44
```

Scratch Pad

Data Output Messages Notifications

	name [PK] character varying	continent character varying	area integer	population integer	gdp bigint
1	Afghanistan	Asia	652230	25500100	20343000000
2	Albania	Europe	28748	2831741	1296000000
3	Algeria	Africa	2381741	37100000	188681000000
4	Andorra	Europe	468	78115	371200000
5	Angola	Africa	1246700	20609294	10099000000

Total rows: 5 of 5 Query complete 00:00:00.098 Ln 42, Col 1

06:37 PM 10/31/2023

pgAdmin 4

File Object Tools Help

Object Explorer

- Servers (1)
 - Fe513
 - Databases (1)
 - postgres
 - Login/Group Roles
 - Tablespaces

Dashboard Properties SQL Statistics Dependencies Dependents Processes Assignment 2.sql*

postgres/postgres@Fe513

No limit

Query Query History

```
33 INSERT INTO World (name, continent, area, population, gdp)
34 VALUES ('Algeria', 'Africa', 2381741, 37100000, 188681000000);
35
36 INSERT INTO World (name, continent, area, population, gdp)
37 VALUES ('Andorra', 'Europe', 468, 78115, 371200000);
38
39 INSERT INTO World (name, continent, area, population, gdp)
40 VALUES ('Angola', 'Africa', 1246700, 20609294, 10099000000);
41
42 SELECT * FROM World;
43
44
45 -- Query to retrieve the name, area, and population of 'big' countries
46 SELECT name, area, population
47 FROM World
48 WHERE area >= 3000000 OR population >= 25000000;
49
50
51
52
```

Scratch Pad

Data Output Messages Notifications

	name [PK] character varying	area integer	population integer
1	Afghanistan	652230	25500100
2	Algeria	2381741	37100000

Total rows: 2 of 2 Query complete 00:00:00.226 Ln 46, Col 1

06:40 PM 10/31/2023

pgAdmin 4

File Object Tools Help

Object Explorer

- Servers (1)
 - Fe513
 - Databases (1)
 - postgres
 - Login/Group Roles
 - Tablespaces

Dashboard Properties SQL Statistics Dependencies Dependents Processes Assignment 2.sql*

postgres/postgres@Fe513

No limit

Execute/Refresh (F5)

Query Query History

```
52
53 -- Question 2
54
55 -- Creating Products table to store product information
56 CREATE TABLE Products (
57     productid INT PRIMARY KEY,
58     lowfats CHAR(1),
59     recyclable CHAR(1)
60 );
61
62 -- Inserting data into Products table
63 INSERT INTO Products (productid, lowfats, recyclable) VALUES (0, 'Y', 'N');
64 INSERT INTO Products (productid, lowfats, recyclable) VALUES (1, 'Y', 'Y');
65 INSERT INTO Products (productid, lowfats, recyclable) VALUES (2, 'N', 'Y');
66 INSERT INTO Products (productid, lowfats, recyclable) VALUES (3, 'Y', 'Y');
67 INSERT INTO Products (productid, lowfats, recyclable) VALUES (4, 'N', 'N');
68
69 -- Query to retrieve product IDs that are both low-fat and recyclable
70 SELECT productid
71 FROM Products
72 WHERE lowfats = 'Y' AND recyclable = 'Y';
```

Scratch Pad

Data Output Messages Notifications

CREATE TABLE

Query returned successfully in 101 msec.

Total rows: 2 of 2 Query complete 00:00:00.101

Ln 61, Col 1

✓ Query returned successfully in 101 msec. ✕

06:40 PM 10/31/2023

pgAdmin 4

File Object Tools Help

Object Explorer

- Servers (1)
 - Fe513
 - Databases (1)
 - postgres
 - Login/Group Roles
 - Tablespaces

Dashboard Properties SQL Statistics Dependencies Dependents Processes Assignment 2.sql*

postgres/postgres@Fe513

No limit

Execute/Refresh (FS)

Query Query History

```
54
55 -- Creating Products table to store product information
56 CREATE TABLE Products (
57     productid INT PRIMARY KEY,
58     lowfats CHAR(1),
59     recyclable CHAR(1)
60 );
61
62 -- Inserting data into Products table
63 INSERT INTO Products (productid, lowfats, recyclable) VALUES (0, 'Y', 'N');
64 INSERT INTO Products (productid, lowfats, recyclable) VALUES (1, 'Y', 'Y');
65 INSERT INTO Products (productid, lowfats, recyclable) VALUES (2, 'N', 'Y');
66 INSERT INTO Products (productid, lowfats, recyclable) VALUES (3, 'Y', 'Y');
67 INSERT INTO Products (productid, lowfats, recyclable) VALUES (4, 'N', 'N');
68
69 SELECT * FROM Products;
70
71 -- Query to retrieve product IDs that are both low-fat and recyclable
72 SELECT productid
73 FROM Products
74 WHERE lowfats = 'Y' AND recyclable = 'Y';
```

Scratch Pad

Data Output Messages Notifications

	productid [PK] integer	lowfats character	recyclable character
1	0	Y	N
2	1	Y	Y
3	2	N	Y
4	3	Y	Y
5	4	N	N

Total rows: 5 of 5 Query complete 00:00:00.112 Ln 69, Col 1

06:41 PM 10/31/2023

pgAdmin 4

File Object Tools Help

Object Explorer

- Servers (1)
 - Fe513
 - Databases (1)
 - postgres
 - Login/Group Roles
 - Tablespaces

Dashboard Properties SQL Statistics Dependencies Dependents Processes Assignment 2.sql*

postgres/postgres@Fe513

No limit

Execute/Refresh (F5)

Query Query History

```
56 CREATE TABLE Products (  
57     productid INT PRIMARY KEY,  
58     lowfats CHAR(1),  
59     recyclable CHAR(1)  
60 );  
61  
62 -- Inserting data into Products table  
63 INSERT INTO Products (productid, lowfats, recyclable) VALUES (0, 'Y', 'N');  
64 INSERT INTO Products (productid, lowfats, recyclable) VALUES (1, 'Y', 'Y');  
65 INSERT INTO Products (productid, lowfats, recyclable) VALUES (2, 'N', 'Y');  
66 INSERT INTO Products (productid, lowfats, recyclable) VALUES (3, 'Y', 'Y');  
67 INSERT INTO Products (productid, lowfats, recyclable) VALUES (4, 'N', 'N');  
68  
69 SELECT * FROM Products;  
70  
71 -- Query to retrieve product IDs that are both low-fat and recyclable  
72 SELECT productid  
73 FROM Products  
74 WHERE lowfats = 'Y' AND recyclable = 'Y';  
75
```

Scratch Pad

Data Output Messages Notifications

productid	[PK] integer
1	1
2	3

Total rows: 2 of 2 Query complete 00:00:00.098 Ln 75, Col 1