

ACTIVITY PERTEMUAN 5

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KELAS : 3IA11

MATERI : EQUI JOIN

MATA PRAKTIKUM : SISTEM BASIS DATA 1

(Screenshoot langkah-langkah sesuai video pembelajaran dan jelaskan dengan ringkas)

The screenshot shows a database management tool interface. At the top, there is a toolbar with various icons for file operations, query execution, and settings. Below the toolbar, the 'Query' tab is active, displaying a SQL script. The script is as follows:

```
1 CREATE TABLE BARANG(  
2   ID_BARANG SERIAL PRIMARY KEY NOT NULL,  
3   NAMA_BARANG VARCHAR (255),  
4   STOK INT,  
5   HARGA INT  
6 );
```

Below the query editor, the 'Messages' tab is active, showing the execution result:

```
CREATE TABLE  
  
Query returned successfully in 156 msec.
```

PostgreSQL 17

Databases (5)

> M4_51422161

▼ M5_51422161

Casts

Catalogs

Event Triggers

Extensions

Foreign Data Wrappers

Languages

Publications

Schemas

Subscriptions

bariq_51422161

postgres

test

Login/Group Roles

Tablespaces

Query

Query History

1

▼

CREATE TABLE BARANG(

2

ID_BARANG SERIAL PRIMARY KEY NOT NULL,

3

NAMA_BARANG VARCHAR (255),

4

STOK INT,

5

HARGA INT

6

);

7

▼

INSERT INTO BARANG VALUES

8

(1,'BAJU',3,15000),

9

(2,'CELANA',5,10000),

10

(3,'JAKET',6,25000),

11

(4,'KEMEJA',2,30000),

12

(5,'SEPATU',3,20000);

13

Data Output

Messages

Notifications

INSERT 0 5

Query returned successfully in 90 msec.

> M4_51422161

▼ M5_51422161

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Query

Query History

1

▼

CREATE TABLE BARANG(

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11

(4,'KEMEJA',2,30000),

12

(5,'SEPATU',3,20000);

13

14

-- SCREENSHOT 1

15

16

SELECT * FROM BARANG;

Data Output

Messages

Notifications

SQL

	id_barang [PK] integer	nama_barang character varying (255)	stok integer	harga integer
1	1	BAJU	3	15000
2	2	CELANA	5	10000
3	3	JAKET	6	25000
4	4	KEMEJA	2	30000
5	5	SEPATU	3	20000

```

16 SELECT * FROM pembeli;
17
18 CREATE TABLE PEMBELI(
19     ID_PEMBELI SERIAL PRIMARY KEY NOT NULL,
20     NAMA VARCHAR (255) NOT NULL,
21     ALAMAT VARCHAR (255)
22 );
23
24

```

Data Output Messages Notifications

CREATE TABLE

Query returned successfully in 94 msec.

```

22 );
23
24 INSERT INTO PEMBELI VALUES
25 (1, 'GERALD', 'JL.MARZUKI'),
26 (2, 'FARIZI SETYA', 'JL.ANDAYANI'),
27 (3, 'FREYA AZZAHRA', 'JL. MAHUNTEN'),
28 (4, 'ANNISA SALSABILA', 'JL.ZENDANA'),
29 (5, 'ANNE SAMANDA', 'JL.TINIZOA');

```

Data Output Messages Notifications

INSERT 0 5

Query returned successfully in 103 msec.

```

26 (2, 'FARIZI SETYA', 'JL.ANDAYANI'),
27 (3, 'FREYA AZZAHRA', 'JL. MAHUNTEN'),
28 (4, 'ANNISA SALSABILA', 'JL.ZENDANA'),
29 (5, 'ANNE SAMANDA', 'JL.TINIZOA');
30
31 -- SCREENSHOT 2
32 SELECT * FROM PEMBELI

```

Data Output Messages Notifications

	id_pembeli [PK] integer	nama character varying (255)	alamat character varying (255)
1	1	GERALD	JL.MARZUKI
2	2	FARIZI SETYA	JL.ANDAYANI
3	3	FREYA AZZAHRA	JL. MAHUNTEN
4	4	ANNISA SALSABILA	JL.ZENDANA
5	5	ANNE SAMANDA	JL.TINIZOA

```

33
34 CREATE TABLE PENJUALAN(
35     ID_PENJUALAN SERIAL PRIMARY KEY NOT NULL,
36     CABANG VARCHAR (100),
37     HARI_JUAL VARCHAR(20) NOT NULL,
38     PENJUAL VARCHAR(100),
39     JUMLAH_BELI INT NOT NULL,
40     ID_BARANG INT NOT NULL,
41     ID_PEMBELI INT NOT NULL,
42     FOREIGN KEY(ID_BARANG) REFERENCES BARANG(ID_BARANG),
43     FOREIGN KEY(ID_PEMBELI) REFERENCES PEMBELI(ID_PEMBELI)
44 );
45

```

Data Output Messages Notifications

CREATE TABLE

Query returned successfully in 106 msec.

```

41     ID_PEMBELI INT NOT NULL,
42     FOREIGN KEY(ID_BARANG) REFERENCES BARANG(ID_BARANG),
43     FOREIGN KEY(ID_PEMBELI) REFERENCES PEMBELI(ID_PEMBELI)
44 );
45
46 INSERT INTO PENJUALAN VALUES
47 (1,'DEPOK','KAMIS','CECE',2,3,4),
48 (2,'JAKARTA','RABU','JENNIFER',1,2,1),
49 (3,'CIBUBUR','JUMAT','CECE',4,3,3),
50 (4,'JAKARTA','KAMIS','AHMAD',2,1,2),
51 (5,'DEPOK','RABU','CECE',1,5,4);
52
53 -- SCREENSHOT 3
54 SELECT * FROM PENJUALAN;

```

Data Output Messages Notifications

	id_penjualan [PK] integer	cabang character varying (100)	hari_jual character varying (20)	penjual character varying (100)	jumlah_beli integer	id_barang integer	id_pembeli integer
1	1	DEPOK	KAMIS	CECE	2	3	4
2	2	JAKARTA	RABU	JENNIFER	1	2	1
3	3	CIBUBUR	JUMAT	CECE	4	3	3
4	4	JAKARTA	KAMIS	AHMAD	2	1	2
5	5	DEPOK	RABU	CECE	1	5	4

```

55
56 -- SCREENSHOT 4
57 SELECT * FROM PENJUALAN
58 JOIN PEMBELI ON PENJUALAN.ID_PEMBELI = PEMBELI.ID_PEMBELI
59 JOIN BARANG ON PENJUALAN.ID_BARANG = BARANG.ID_BARANG;
60

```

Data Output Messages Notifications

	id_penjualan [PK] integer	cabang character varying (100)	hari_jual character varying (20)	penjual character varying (100)	jumlah_beli integer	id_barang integer	id_pembeli integer	nama character varying (255)	alamat character varying (255)	id_barang integer	nama_barang character varying (255)
1	1	DEPOK	KAMIS	CECE	2	3	4	ANNISA SALSABILA	JL ZENDANA	3	JAKET
2	2	JAKARTA	RABU	JENNIFER	1	2	1	GERALD	JL MARZUKI	2	CELANA
3	3	CIBUBUR	JUMAT	CECE	4	3	3	FREYA AZZAHRA	JL MAHUNTEN	3	JAKET
4	4	JAKARTA	KAMIS	AHMAD	2	1	2	FARIZI SETYA	JL ANDAYANI	1	BAJU
5	5	DEPOK	RABU	CECE	1	5	4	ANNISA SALSABILA	JL ZENDANA	5	SEPATU

Total rows: 5 of 5 Query complete 00:00:00.124 Ln 57, Col 1

```

60
61 -- SCREENSHOT 5
62 SELECT
63     JUAL.CABANG,
64     JUAL.HARI_JUAL,
65     BRG.NAMA_BARANG,
66     BRG.HARGA,
67     JUAL.JUMLAH_BELI,
68     (JUAL.JUMLAH_BELI * BRG.HARGA) AS TOTAL_HARGA
69 FROM
70     PENJUALAN JUAL, BARANG BRG
71 WHERE JUAL.ID_BARANG = BRG.ID_BARANG;

```

Data Output Messages Notifications

SQL

	cabang character varying (100)	hari_jual character varying (20)	nama_barang character varying (255)	harga integer	jumlah_beli integer	total_harga integer
1	DEPOK	KAMIS	JAKET	25000	2	50000
2	JAKARTA	RABU	CELANA	10000	1	10000
3	CIBUBUR	JUMAT	JAKET	25000	4	100000
4	JAKARTA	KAMIS	BAJU	15000	2	30000
5	DEPOK	RABU	SEPATU	20000	1	20000

Total rows: 5 of 5 Query complete 00:00:00.194 Ln 62, Col 1

```

72
73 -- SCREENSHOT 6
74 SELECT
75     BELI.NAMA AS NAMA,
76     JUAL.HARI_JUAL,
77     JUAL.CABANG,
78     BRG.NAMA_BARANG
79 FROM
80     PENJUALAN JUAL, BARANG BRG, PEMBELI BELI
81 WHERE JUAL.ID_PEMBELI = BELI.ID_PEMBELI
82 AND JUAL.ID_BARANG = BRG.ID_BARANG
83
84
85

```

Data Output Messages Notifications

SQL

	nama character varying (255)	hari_jual character varying (20)	cabang character varying (100)	nama_barang character varying (255)
1	ANNISA SALSABILA	KAMIS	DEPOK	JAKET
2	GERALD	RABU	JAKARTA	CELANA
3	FREYA AZZAHRA	JUMAT	CIBUBUR	JAKET
4	FARIZI SETYA	KAMIS	JAKARTA	BAJU
5	ANNISA SALSABILA	RABU	DEPOK	SEPATU