

ACTIVITY PERTEMUAN 7

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KELAS : 3IA11

MATERI : SELF JOIN

MATA PRAKTIKUM : SISTEM BASIS DATA 1

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

The screenshot displays the PostgreSQL 17 web interface. The left sidebar shows the 'Object Explorer' with a tree view of databases and schemas. The main area is divided into a 'Query' editor and a 'Data Output' table.

Query Editor:

```
7  USIA INT
8  );
9
10 INSERT INTO PEGAWAI VALUES (1, 'CECE', 'ANANDA', 'DEPOK', 'SALES', 22);
11 INSERT INTO PEGAWAI VALUES (2, 'MARZUKI', 'FINSINA', 'JAKARTA', 'MANAJER', 24);
12 INSERT INTO PEGAWAI VALUES (3, 'IBNU', 'TASLIM', 'DEPOK', 'AKUNTAN', 21);
13 INSERT INTO PEGAWAI VALUES (4, 'JENIFER', 'WIDYATA', 'BEKASI', 'SALES', 22);
14 INSERT INTO PEGAWAI VALUES (5, 'AHMAD', 'DANIEL', 'BOGOR', 'SALES', 25);
15 INSERT INTO PEGAWAI VALUES (6, 'FERNANDI', 'IMANUEL', 'TANGERANG', 'MANAJER', 23);
16 INSERT INTO PEGAWAI VALUES (7, 'ZAHRA', 'AZZAHRA', 'JAKARTA', 'AKUNTAN', 24);
17 INSERT INTO PEGAWAI VALUES (8, 'GIRI', 'FINDAR', 'TANGERANG', 'SALES', 23);
18 INSERT INTO PEGAWAI VALUES (9, 'GERALD', 'WIJAYA', 'BEKASI', 'CEO', 20);
19 INSERT INTO PEGAWAI VALUES (10, 'WATI', 'SRIYATI', 'BOGOR', 'CEO', 21);
20
21 -- SCREENSHOT 1
22 SELECT * FROM PEGAWAI;
```

Data Output Table:

	id_pegawai [PK] integer	nama_depan character varying (10)	nama_belakang character varying (15)	kota character varying (10)	jabatan character varying (15)	usia integer
1	1	CECE	ANANDA	DEPOK	SALES	22
2	2	MARZUKI	FINSINA	JAKARTA	MANAJER	24
3	3	IBNU	TASLIM	DEPOK	AKUNTAN	21
4	4	JENIFER	WIDYATA	BEKASI	SALES	22
5	5	AHMAD	DANIEL	BOGOR	SALES	25
6	6	FERNANDI	IMANUEL	TANGERANG	MANAJER	23
7	7	ZAHRA	AZZAHRA	JAKARTA	AKUNTAN	24
8	8	GIRI	FINDAR	TANGERANG	SALES	23
9	9	GERALD	WIJAYA	BEKASI	CEO	20
10	10	WATI	SRIYATI	BOGOR	CEO	21

Total rows: 10 of 10 Query complete 00:00:00.164 Ln 22, Col 1

Object Explorer

- Servers (1)
 - PostgreSQL 17
 - Databases (6)
 - M4_51422161
 - M5_51422161
 - Casts
 - Catalogs
 - Event Triggers
 - Extensions
 - Foreign Data Wrappers
 - Languages
 - Publications
 - Schemas
 - Subscriptions
 - M7_51422161
 - Casts
 - Catalogs
 - Event Triggers
 - Extensions
 - Foreign Data Wrappers
 - Languages
 - Publications
 - Schemas
 - Subscriptions
 - bariq_51422161
 - postgres
 - test
 - Login/Group Roles
 - Tablespaces

Dashboard X Properties X SQL X Statistics X Dependencies X Dependents X Processes X M7_51422161/postgres@PostgreSQL 17* X

Query Query History

```
17 INSERT INTO PEGAWAI VALUES (8,'GIRI','FINDAR','TANGERANG','SALES',23);
18 INSERT INTO PEGAWAI VALUES (9,'GERALD','WIJAYA','BEKASI','CEO',20);
19 INSERT INTO PEGAWAI VALUES (10,'WATI','SRIVATI','BOGOR','CEO',21);
20
21 -- SCREENSHOT 1
22 SELECT * FROM PEGAWAI;
23
24 -- SCREENSHOT 2
25 SELECT DATA1.KOTA,
26 DATA1.NAMA_DEPAN || ' ' || DATA1.NAMA_BELAKANG AS PEGAWAI_1,
27 DATA2.NAMA_DEPAN || ' ' || DATA2.NAMA_BELAKANG AS PEGAWAI_2
28 FROM PEGAWAI DATA1
29 INNER JOIN PEGAWAI DATA2
30 ON DATA1.ID_PEGAWAI > DATA2.ID_PEGAWAI
31 AND DATA1.KOTA = DATA2.KOTA
32 ORDER BY DATA1.KOTA;
```

Data Output Messages Notifications

	kota	pegawai_1	pegawai_2
	character varying (10)	text	text
1	BEKASI	GERALD WIJAYA	JENIFER WIDYATA
2	BOGOR	WATI SRIVATI	AHMAD DANIEL
3	DEPOK	IBNU TASLIM	CECE ANANDA
4	JAKARTA	ZAHRA AZZAHRA	MARZUKI FINSINA
5	TANGERANG	GIRI FINDAR	FERNANDI IMANUEL

Total rows: 5 of 5 Query complete 00:00:00.086 Ln 32, Col 21

Object Explorer

- Servers (1)
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 - M4_51422161
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 - M7_51422161
 - Casts
 - Catalogs
 - Event Triggers
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 - Tablespaces

Dashboard X Properties X SQL X Statistics X Dependencies X Dependents X Processes X M7_51422161/postgres@PostgreSQL 17* X

Query Query History

```
31 AND DATA1.KOTA = DATA2.KOTA
32 ORDER BY DATA1.KOTA;
33
34 ALTER TABLE PEGAWAI
35 ADD JENIS_KELAMIN VARCHAR(10);
36
37 UPDATE PEGAWAI
38 SET JENIS_KELAMIN = 'WANITA'
39 WHERE ID_PEGAWAI IN (1,4,7,10);
40
41 UPDATE PEGAWAI
42 SET JENIS_KELAMIN = 'PRIA'
43 WHERE ID_PEGAWAI NOT IN (1,4,7,10);
44
45 -- SCREENSHOT 3
46 SELECT * FROM PEGAWAI;
```

Data Output Messages Notifications

	id_pegawai	nama_depan	nama_belakang	kota	jabatan	usia	jenis_kelamin
	[PK] integer	character varying (10)	character varying (15)	character varying (10)	character varying (15)	integer	character varying (10)
1	1	CECE	ANANDA	DEPOK	SALES	22	WANITA
2	4	JENIFER	WIDYATA	BEKASI	SALES	22	WANITA
3	7	ZAHRA	AZZAHRA	JAKARTA	AKUNTAN	24	WANITA
4	10	WATI	SRIVATI	BOGOR	CEO	21	WANITA
5	2	MARZUKI	FINSINA	JAKARTA	MANAJER	24	PRIA
6	3	IBNU	TASLIM	DEPOK	AKUNTAN	21	PRIA
7	5	AHMAD	DANIEL	BOGOR	SALES	25	PRIA
8	6	FERNANDI	IMANUEL	TANGERANG	MANAJER	23	PRIA
9	8	GIRI	FINDAR	TANGERANG	SALES	23	PRIA
10	9	GERALD	WIJAYA	BEKASI	CEO	20	PRIA

Total rows: 10 of 10 Query complete 00:00:00.146 Ln 46, Col 1

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- Servers (1)
 - PostgreSQL 17
 - Databases (6)
 - M4_51422161
 - Casts
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 - Subscriptions
 - M5_51422161
 - Casts
 - Catalogs
 - Event Triggers
 - Extensions
 - Foreign Data Wrappers
 - Languages
 - Publications
 - Schemas
 - Subscriptions
 - M7_51422161
 - Casts
 - Catalogs
 - Event Triggers
 - Extensions
 - Foreign Data Wrappers
 - Languages
 - Publications
 - Schemas
 - Subscriptions
 - bariq_51422161
 - 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
 - test
 - Casts
 - Catalogs
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 - Publications
 - Schemas
 - Subscriptions
 - Login/Group Roles
 - Tablespaces

Dashboard Properties SQL Statistics Dependencies Dependents Processes M7_51422161/postgres@PostgreSQL 17*

Query Query History Scratch Pad

```
50 SELECT DATA1.JENIS_KELAMIN,  
51 DATA1.NAMA_DEPAN || ' ' || DATA1.NAMA_BELAKANG AS PEGAWAI_1,  
52 DATA2.NAMA_DEPAN || ' ' || DATA2.NAMA_BELAKANG AS PEGAWAI_2,  
53 DATA3.NAMA_DEPAN || ' ' || DATA3.NAMA_BELAKANG AS PEGAWAI_3,  
54 DATA4.NAMA_DEPAN || ' ' || DATA4.NAMA_BELAKANG AS PEGAWAI_4,  
55 DATA5.NAMA_DEPAN || ' ' || DATA5.NAMA_BELAKANG AS PEGAWAI_5,  
56 DATA6.NAMA_DEPAN || ' ' || DATA6.NAMA_BELAKANG AS PEGAWAI_6  
57 FROM PEGAWAI DATA1, PEGAWAI DATA2, PEGAWAI DATA3, PEGAWAI DATA4, PEGAWAI DATA5, PEGAWAI DATA6  
58 WHERE DATA1.ID_PEGAWAI < DATA2.ID_PEGAWAI  
59 AND DATA2.ID_PEGAWAI < DATA3.ID_PEGAWAI  
60 AND DATA3.ID_PEGAWAI < DATA4.ID_PEGAWAI  
61 AND DATA4.ID_PEGAWAI < DATA5.ID_PEGAWAI  
62 AND DATA5.ID_PEGAWAI < DATA6.ID_PEGAWAI  
63 AND DATA1.JENIS_KELAMIN = DATA2.JENIS_KELAMIN  
64 AND DATA2.JENIS_KELAMIN = DATA3.JENIS_KELAMIN  
65 AND DATA3.JENIS_KELAMIN = DATA4.JENIS_KELAMIN  
66 AND DATA4.JENIS_KELAMIN = DATA5.JENIS_KELAMIN  
67 AND DATA5.JENIS_KELAMIN = DATA6.JENIS_KELAMIN  
68 AND DATA1.JENIS_KELAMIN = 'PRIA'  
69 ORDER BY DATA1.ID_PEGAWAI  
70 LIMIT 1;
```

Data Output Messages Notifications

	jenis_kelamin	pegawai_1	pegawai_2	pegawai_3	pegawai_4	pegawai_5	pegawai_6
	character varying (10)	text	text	text	text	text	text
1	PRIA	MARZUKI FINGINA	IBNU TASLIM	AHMAD DANIEL	FERNANDI IMANUEL	GIRI FINDAR	GERALD WILAJA

Total rows: 1 of 1 Query complete 00:00:00.116 Ln 48, Col 1

80% partly sunny

Search

4:02 PM 1/10/2025