ACTIVITY PERTEMUAN 4

NAMA : Muhammad Tarmidzi Bariq
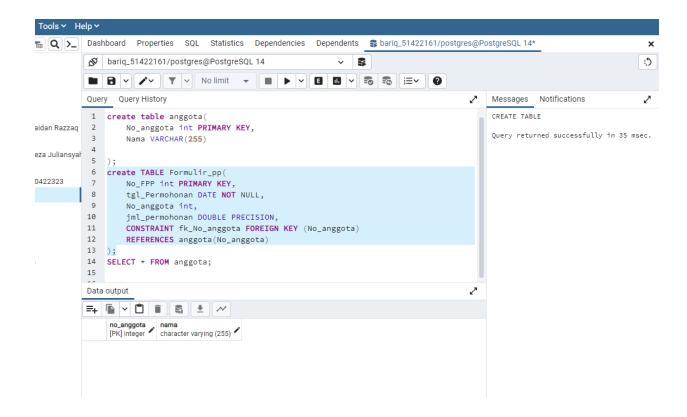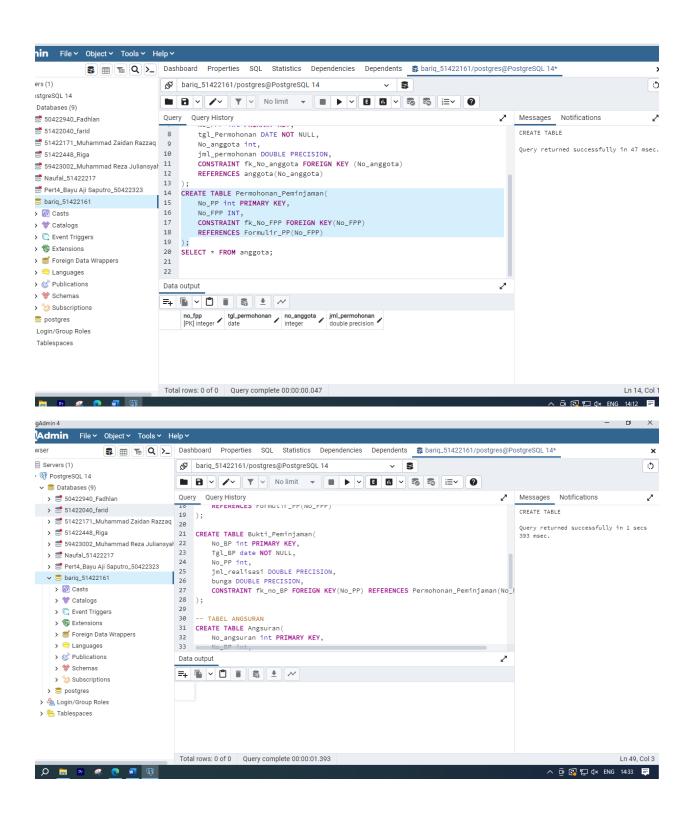
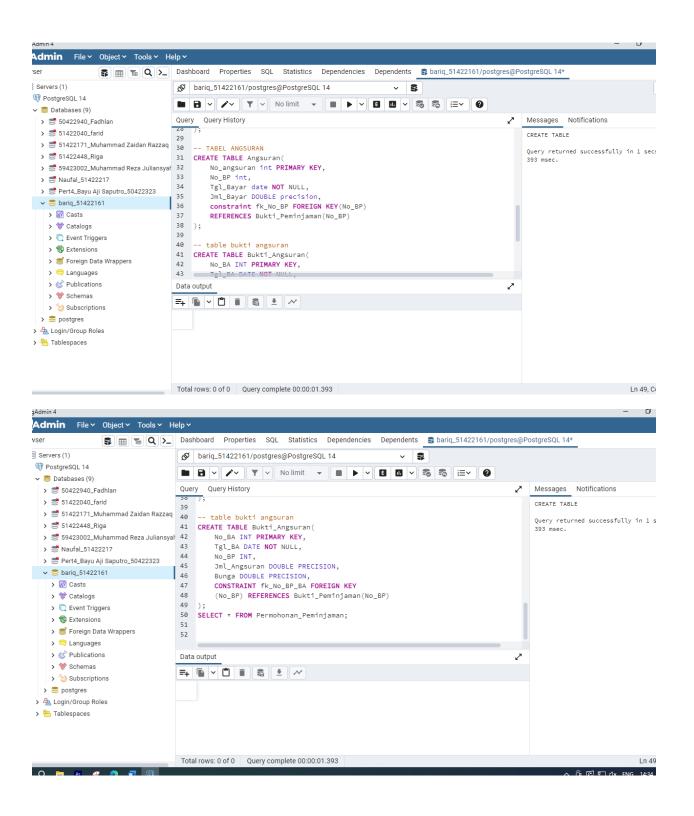**NPM : 51422161**

KELAS : 3IA11

Materi : DATABASE SYSTEM TOOLS/ DATABASE MANAGEMENT SYSTEM

MATA PRAKTIKUM : Sistem Basis Data 2

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

Dashboard   Properties   SQL   Statistics   Dependencies   Dependents   bariq_51422161/postgres@PostgreSQL 14*

bariq_51422161/postgres@PostgreSQL 14

No limit

Query   Query History

```
 8        tgl_Permohonan DATE NOT NULL,
 9        No_anggota int,
10        jml_permohonan DOUBLE PRECISION,
11        CONSTRAINT fk_No_anggota FOREIGN KEY (No_anggota)
12        REFERENCES anggota(No_anggota)
13    );
14    CREATE TABLE Permohonan_Peminjaman(
15        No_PP int PRIMARY KEY,
16        No_FPP INT,
17        CONSTRAINT fk_No_FPP FOREIGN KEY(No_FPP)
18        REFERENCES Formulir_PP(No_FPP)
19    );
20    SELECT * FROM anggota;
21
22
```

Messages   Notifications

CREATE TABLE

Query returned successfully in 47 msec.

Data output

no_fpp [PK] integer	tgl_permohonan date	no_anggota integer	jml_permohonan double precision

Total rows: 0 of 0   Query complete 00:00:00.047   Ln 14, Col 1

---

gAdmin 4

/Admin   File ▾   Object ▾   Tools ▾   Help ▾

Dashboard   Properties   SQL   Statistics   Dependencies   Dependents   bariq_51422161/postgres@PostgreSQL 14*

Servers (1)
PostgreSQL 14
  Databases (9)
    50422940_Fadhlan
    51422040_farid
    51422171_Muhammad Zaidan Razzaq
    51422448_Riga
    59423002_Muhammad Reza Juliansyah
    Naufal_51422217
    Pert4_Bayu Aji Saputro_50422323
    bariq_51422161
      Casts
      Catalogs
      Event Triggers
      Extensions
      Foreign Data Wrappers
      Languages
      Publications
      Schemas
      Subscriptions
    postgres
  Login/Group Roles
  Tablespaces

bariq_51422161/postgres@PostgreSQL 14

No limit

Query   Query History

```
18        REFERENCES Formulir_PP(No_FPP)
19    );
20
21    CREATE TABLE Bukti_Peminjaman(
22        No_BP int PRIMARY KEY,
23        Tgl_BP date NOT NULL,
24        No_PP int,
25        jml_realisasi DOUBLE PRECISION,
26        bunga DOUBLE PRECISION,
27        CONSTRAINT fk_no_BP FOREIGN KEY(No_PP) REFERENCES Permohonan_Peminjaman(No_P
28    );
29
30    -- TABEL ANGSURAN
31    CREATE TABLE Angsuran(
32        No_angsuran int PRIMARY KEY,
33        No_BP int,
```

Messages   Notifications

CREATE TABLE

Query returned successfully in 1 secs 393 msec.

Data output

Total rows: 0 of 0   Query complete 00:00:01.393   Ln 49, Col 3

bariq_51422161/postgres@PostgreSQL 14

No limit

Query   Query History

Messages   Notifications

CREATE TABLE

Query returned successfully in 1 secs 393 msec.

```sql
);

-- TABEL ANGSURAN
CREATE TABLE Angsuran(
    No_angsuran int PRIMARY KEY,
    No_BP int,
    Tgl_Bayar date NOT NULL,
    Jml_Bayar DOUBLE precision,
    constraint fk_No_BP FOREIGN KEY(No_BP)
    REFERENCES Bukti_Peminjaman(No_BP)
);

-- table bukti angsuran
CREATE TABLE Bukti_Angsuran(
    No_BA INT PRIMARY KEY,
    Tgl_BA DATE NOT NULL,
```

Data output

Total rows: 0 of 0   Query complete 00:00:01.393   Ln 49, C

```sql
);

-- table bukti angsuran
CREATE TABLE Bukti_Angsuran(
    No_BA INT PRIMARY KEY,
    Tgl_BA DATE NOT NULL,
    No_BP INT,
    Jml_Angsuran DOUBLE PRECISION,
    Bunga DOUBLE PRECISION,
    CONSTRAINT fk_No_BP_BA FOREIGN KEY
    (No_BP) REFERENCES Bukti_Peminjaman(No_BP)
);
SELECT * FROM Permohonan_Peminjaman;
```

Data output

Total rows: 0 of 0   Query complete 00:00:01.393   Ln 49

```
49  );
50
51  -- data anggota
52  INSERT INTO Anggota (No_Anggota, Nama) VALUES
53  (1, 'Bariq'),
54  (2, 'Ryu'),
55  (3, 'Lorenzo');
56
57  SELECT * FROM Anggota;
58
59
```

Data output

	no_anggota [PK] integer	nama character varying (255)
1	1	Bariq
2	2	Ryu
3	3	Lorenzo

```
55  (3, 'Lorenzo');
56
57  INSERT INTO Formulir_PP (No_FPP, Tgl_Permohonan, No_Angg
58  (101, '2025-05-07', 1, 5000000),
59  (102, '2025-05-08', 2, 3000000),
60  (103, '2025-05-10', 3, 7000000);
61
62  SELECT * FROM Formulir_PP;
63
64
```

Data output

	no_fpp [PK] integer	tgl_permohonan date	no_anggota integer	jml_permohonan double precision
1	101	2025-05-07	1	5000000
2	102	2025-05-08	2	3000000
3	103	2025-05-10	3	7000000

```
56
57  INSERT INTO Formulir_PP (No_FPP, Tgl_Permohonan, No_Anggot
58  (101, '2025-05-07', 1, 5000000),
59  (102, '2025-05-08', 2, 3000000),
60  (103, '2025-05-10', 3, 7000000);
61
62  SELECT * FROM Formulir_PP;
63
64  INSERT INTO Permohonan_Peminjaman (No_PP, No_FPP) VALUES
65  (1001, 101),
66  (1002, 102),
67  (1003, 103);
68  SELECT * FROM Permohonan_Peminjaman;
69
```

Loading...

Data output

no_pp [PK] integer	no_fpp integer
1001	101
1002	102
1003	103

pgAdmin 4

gAdmin   File ⌄   Object ⌄   Tools ⌄   Help ⌄

owser

Servers (1)

- PostgreSQL 14
  - Databases (9)
    - 50422940_Fadhlan
    - 51422040_farid
    - 51422171_Muhamma
    - 51422448_Riga
    - 59423002_Muhamma
    - Naufal_51422217
    - Pert4_Bayu Aji Saputr
    - bariq_51422161
      - Casts
      - Catalogs
      - Event Triggers
      - Extensions
      - Foreign Data Wrapp
      - Languages
      - Publications
      - Schemas
      - Subscriptions
    - postgres
  - Login/Group Roles
  - Tablespaces

Dashboard   Properties   SQL   Statistics   Dependencies   Dependents   bariq_51422161/postgres@PostgreSQL 14*

bariq_51422161/postgres@PostgreSQL 14

No limit

Query   Query History

Messages   N

```
66  SELECT * FROM Formulir_PP;
67
68  INSERT INTO Permohonan_Peminjaman (No_PP, No_FPP) VALUES
69  (1001, 101),
70  (1002, 102),
71  (1003, 103);
72  SELECT * FROM Permohonan_Peminjaman;
73
74  -- data bukti_peminjaman
75  INSERT INTO Bukti_Peminjaman (No_BP, Tgl_BP, No_PP, Jml_Realisasi, Lama_Angsuran, Jml_An
76  (201, '2025-04-02', 1001, 4500000, 12, 375000, 0.05),
77  (202, '2025-04-06', 1002, 2700000, 12, 225000, 0.04),
78  (203, '2025-04-12', 1003, 6300000, 24, 262500, 0.06);
79  SELECT * FROM Bukti_Peminjaman;
80
```

Successfully
msec.
3 rows affect

Data output

	no_bp [PK] integer	tgl_bp date	no_pp integer	jml_realisasi double precision	lama_angsuran integer	jml_angsuran double precision	bunga double precision
1	201	2025-04-02	1001	4500000	12	375000	0.05
2	202	2025-04-06	1002	2700000	12	225000	0.04
3	203	2025-04-12	1003	6300000	24	262500	0.06

Total rows: 3 of 3   Query complete 00:00:00.038

✓ Successfully run. Total query ru

Servers (1)
PostgreSQL 14
Databases (9)
> 50422940_Fadhlan
> 51422040_farid
> 51422171_Muhamma
> 51422448_Riga
> 59423002_Muhamma
> Naufal_51422217
> Pert4_Bayu Aji Saputr
∨ bariq_51422161
  > Casts
  > Catalogs
  > Event Triggers
  > Extensions
  > Foreign Data Wrapp
  > Languages
  > Publications
  > Schemas
  > Subscriptions
> postgres
Login/Group Roles
Tablespaces

bariq_51422161/postgres@PostgreSQL 14

Query   Query History

```
72  SELECT * FROM Permohonan_Peminjaman;
73
74  -- data bukti_peminjaman
75  INSERT INTO Bukti_Peminjaman (No_BP, Tgl_BP, No_PP, Jml_Realisasi, Lama_Angsuran, Jml_An
76  (201, '2025-04-02', 1001, 4500000, 12, 375000, 0.05),
77  (202, '2025-04-06', 1002, 2700000, 12, 225000, 0.04),
78  (203, '2025-04-12', 1003, 6300000, 24, 262500, 0.06);
79  SELECT * FROM Bukti_Peminjaman;
80
81  INSERT INTO Angsuran (No_angsuran, No_BP, Tgl_Bayar, Jml_Bayar) VALUES
82  (301, 201, '2025-05-01', 500000),
83  (302, 202, '2025-05-02', 500000),
84  (303, 203, '2025-05-03', 291667);
85  SELECT * FROM Angsuran;
86
87
```

Loading...

Messages   Notifications

Successfully run. Total query r
msec.
3 rows affected.

Data output

	no_angsuran [PK] integer	no_bp integer	tgl_bayar date	jml_bayar double precision
1	301	201	2025-05-01	500000
2	302	202	2025-05-02	500000
3	303	203	2025-05-03	291667

Total rows: 3 of 3   Query complete 00:00:00.843

---

rs (1)
stgreSQL 14
Databases (9)
50422940_Fadhlan
51422040_farid
51422171_Muhamma
51422448_Riga
59423002_Muhamma
Naufal_51422217
Pert4_Bayu Aji Saputr
bariq_51422161
  Casts
  Catalogs
  Event Triggers
  Extensions
  Foreign Data Wrapp
  Languages
  Publications
  Schemas
  Subscriptions
postgres
Login/Group Roles
Tablespaces

bariq_51422161/postgres@PostgreSQL 14

Query   Query History

```
78  (203, '2025-04-12', 1003, 6300000, 24, 262500, 0.06);
79  SELECT * FROM Bukti_Peminjaman;
80
81  INSERT INTO Angsuran (No_angsuran, No_BP, Tgl_Bayar, Jml_Bayar) VALUES
82  (301, 201, '2025-05-01', 500000),
83  (302, 202, '2025-05-02', 500000),
84  (303, 203, '2025-05-03', 291667);
85  SELECT * FROM Angsuran;
86
87  -- data bukti angsuran
88  INSERT INTO Bukti_Angsuran (No_BA, Tgl_BA, No_BP, Jml_Angsuran, Bunga) VALUES
89  (401, '2025-05-01', 201, 500000, 25000),
90  (402, '2025-05-02', 202, 500000, 25000),
91  (403, '2025-05-03', 203, 291667, 14583);
92  SELECT * FROM Bukti_Angsuran;
93
```

Loading...

Messages   Notifications

Successfully run. Total query runtime: 1
secs 595 msec.
3 rows affected.

Data output

	no_ba [PK] integer	tgl_ba date	no_bp integer	jml_angsuran double precision	bunga double precision
1	401	2025-05-01	201	500000	25000
2	402	2025-05-02	202	500000	25000
3	403	2025-05-03	203	291667	14583

✓ Successfully run. Total query runtime: 1 secs 595 msec. 3 rows affected.