

# REMIDI UAS

SISTEM BASIS DATA **PRAKTEK**



**Ditulis oleh :**

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KELAS : 2P52

**Dosen Pengampu :**

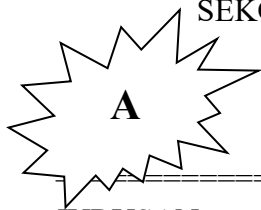
Mosses Aidjilli, M.Kom

PROGRAM STUDI SISTEM INFORMASI

SEKOLAH TINGGI MANAJEMEN INFORMATIKA DAN KOMPUTER

(STMIK) WIDYA PRATAMA PEKALONGAN

2024



SEKOLAH TINGGI MANAJEMEN INFORMATIKA & KOMPUTER  
(STMIK) WIDYA PRATAMA  
UJIAN AKHIR SEMESTER GENAP  
TAHUN AKADEMIK 2023/2024

JURUSAN : SI KELAS : 2P52  
MT. KULIAH : Sistem Basis Data WAKTU : 75 MENIT  
HARI/TGL : RABU, 25 Juli 2024 SIFAT UJIAN: CLOSE Book.  
DOSEN : MOSSES AIDJILI, M.Kom RUANG : PRAKTEK / A/ lab 1

NIM : 23.230.0030	<input checked="" type="checkbox"/> Berdoa sebelum mengerjakan soal
NAMA : ILHAM ROMADHANI	<input checked="" type="checkbox"/> Baca soal dengan teliti dan benar
JAB BENAR: .....	<input checked="" type="checkbox"/> Jangan mencontek
JAB SALAH: .....	<input checked="" type="checkbox"/> Tulislah jawaban di lembar soal
NILAI : .....	<input checked="" type="checkbox"/> <b>DIKERJAKAN DENGAN URUT, JIKA MELOMPAT MAKA TIDAK DI NILAI</b>

1. Buat Database Kredit motor dengan nama databasenya KENDARAAN\_NAMA\_MAHASISWA

```
MariaDB [(none)]> create database kendaraan_ilham;  
Query OK, 1 row affected (0.002 sec)  
  
MariaDB [(none)]> use kendaraan_ilham;  
Database changed  
MariaDB [kendaraan_ilham]> _
```

2. Buat tabel Pemilik Motor : Nama Tabelnya Pemilik  
Bentuk Tabel Di bawah dan input data.

nopolisi	Nm_pemilik	jeniskel	alamat	Angsuran	Tgl_lahir	Kode_merk	type	Th_buat
B2345H	SALSA	L	JL. GURAME NO 6	550000	09/09/1964	SU	TERNADO	2016
H9234G	ALIMIN	P	JL. JAWA NO 45	700000	04/05/1974	HD	SUPRA X	2017
G3456A	SUGIARTO	L	JL. CENGKEH NO 67	650000	23/08/1970	YH	BIXZ	2017
G3562B	AHMAD	L	JL. SEMANGGI NO 6	500000	11/12/1990	SU	NINJA	2016

Tabel di normalkan menjadi table Pemilik

```
MariaDB [kendaraan_ilham]> CREATE TABLE Pemilik (  
-> nopolisi VARCHAR(10) PRIMARY KEY,  
-> Nm_pemilik VARCHAR(100),  
-> jeniskel ENUM('L','P'),  
-> alamat CHAR(35),  
-> Tgl_lahir DATE  
-> );  
Query OK, 0 rows affected (0.038 sec)
```

```
MariaDB [kendaraan_ilham]> desc pemilik;
```

Field	Type	Null	Key	Default	Extra
nopolisi	varchar(10)	NO	PRI	NULL	
Nm_pemilik	varchar(100)	YES		NULL	
jeniskel	enum('L','P')	YES		NULL	
alamat	char(35)	YES		NULL	
Tgl_lahir	date	YES		NULL	

```
5 rows in set (0.006 sec)
```

```
MariaDB [kendaraan_ilham]> INSERT INTO Pemilik (nopolisi, Nm_pemilik, jeniskel, alamat, Tgl_lahir) VALUES  
-> ('B2345H', 'SALSA', 'L', 'JL. GURAME NO 6', '1964-09-09'),  
-> ('H9234G', 'ALIMIN', 'P', 'JL. JAWA NO 45', '1974-05-04'),  
-> ('G3456A', 'SUGIARTO', 'L', 'JL. CENGKEH NO 67', '1970-08-23'),  
-> ('G3562B', 'AHMAD', 'L', 'JL. SEMANGGI NO 6', '1990-12-11');
```

```
Query OK, 4 rows affected (0.008 sec)
```

```
Records: 4 Duplicates: 0 Warnings: 0
```

```
MariaDB [kendaraan_ilham]> select * from pemilik;
```

nopolisi	Nm_pemilik	jeniskel	alamat	Tgl_lahir
B2345H	SALSA	L	JL. GURAME NO 6	1964-09-09
G3456A	SUGIARTO	L	JL. CENGKEH NO 67	1970-08-23
G3562B	AHMAD	L	JL. SEMANGGI NO 6	1990-12-11
H9234G	ALIMIN	P	JL. JAWA NO 45	1974-05-04

```
4 rows in set (0.001 sec)
```

## Tabel Motor

```
MariaDB [kendaraan_ilham]> CREATE TABLE Motor (
```

```
->     nopolisi VARCHAR(10) PRIMARY KEY,
```

```
->     Kode_merk CHAR(2),
```

```
->     type VARCHAR(50),
```

```
->     Th_buat YEAR,
```

```
->     Angsuran INT
```

```
-> );
```

```
Query OK, 0 rows affected (0.014 sec)
```

```
MariaDB [kendaraan_ilham]> desc motor;
```

Field	Type	Null	Key	Default	Extra
nopolisi	varchar(10)	NO	PRI	NULL	
Kode_merk	char(2)	YES		NULL	
type	varchar(50)	YES		NULL	
Th_buat	year(4)	YES		NULL	
Angsuran	int(11)	YES		NULL	

```
5 rows in set (0.007 sec)
```

```
MariaDB [kendaraan_ilham]> INSERT INTO Motor (nopolisi, Kode_merk, type, Th_buat, Angsuran) VALUES  
-> ('B2345H', 'SU', 'TERNADO', 2016, 550000),  
-> ('H9234G', 'HD', 'SUPRA X', 2017, 700000),  
-> ('G3456A', 'YH', 'BIXZ', 2017, 650000),  
-> ('G3562B', 'SU', 'NINJA', 2016, 500000);
```

```
Query OK, 4 rows affected (0.005 sec)
```

```
Records: 4 Duplicates: 0 Warnings: 0
```

```
MariaDB [kendaraan_ilham]> select * from motor;
```

nopolisi	Kode_merk	type	Th_buat	Angsuran
B2345H	SU	TERNADO	2016	550000
G3456A	YH	BIXZ	2017	650000
G3562B	SU	NINJA	2016	500000
H9234G	HD	SUPRA X	2017	700000

```
4 rows in set (0.001 sec)
```

3. Buat tabel merk motor : nama Tabelnya Merk  
Isi data untuk tabel merk

KD_MERK	MERK	BYK_WARNA
SU	SUZUKI	17 Warna
HD	HONDA	21 Warna
YH	YAMAHA	14 Warna

```
MariaDB [kendaraan_ilham]> CREATE TABLE Merk (
->   KD_MERK CHAR(2) PRIMARY KEY,
->   MERK VARCHAR(50),
->   BYK_WARNA INT
-> );
```

Query OK, 0 rows affected (0.013 sec)

```
MariaDB [kendaraan_ilham]> desc merk;
```

Field	Type	Null	Key	Default	Extra
KD_MERK	char(2)	NO	PRI	NULL	
MERK	varchar(50)	YES		NULL	
BYK_WARNA	int(11)	YES		NULL	

3 rows in set (0.007 sec)

```
MariaDB [kendaraan_ilham]> INSERT INTO Merk (KD_MERK, MERK, BYK_WARNA) VALUES
->   ('SU', 'SUZUKI', 17),
->   ('HD', 'HONDA', 21),
->   ('YH', 'YAMAHA', 14);
```

Query OK, 3 rows affected (0.004 sec)

Records: 3 Duplicates: 0 Warnings: 0

```
MariaDB [kendaraan_ilham]> select * from merk;
```

KD_MERK	MERK	BYK_WARNA
HD	HONDA	21
SU	SUZUKI	17
YH	YAMAHA	14

3 rows in set (0.001 sec)

4. Buat tabel pembayaran bulanan : nama tabel Bayar\_bln  
Isi data tabel bayar\_bln, angsuran di ambil dari tabel pemilik

NO_FAK	NOPOLISI	TGL_BAYAR	BAYAR_KE	ANGSURAN
F-2014-03-001	B2345H	1/3/2017	3	
F-2014-03-002	H9234G	1/3/2017	4	
F-2014-04-001	H9234G	4/4/2017	5	

```
MariaDB [kendaraan_ilham]> CREATE TABLE Bayar_bln (
-> NO_FAK VARCHAR(20) PRIMARY KEY,
-> NOPOLISI VARCHAR(10),
-> TGL_BAYAR DATE,
-> BAYAR_KE INT,
-> ANGSURAN INT,
-> FOREIGN KEY (NOPOLISI) REFERENCES Pemilik(nopolisi)
-> );
```

Query OK, 0 rows affected (0.018 sec)

```
MariaDB [kendaraan_ilham]> desc bayar_bln;
```

Field	Type	Null	Key	Default	Extra
NO_FAK	varchar(20)	NO	PRI	NULL	
NOPOLISI	varchar(10)	YES	MUL	NULL	
TGL_BAYAR	date	YES		NULL	
BAYAR_KE	int(11)	YES		NULL	
ANGSURAN	int(11)	YES		NULL	

5 rows in set (0.009 sec)

```
MariaDB [kendaraan_ilham]> INSERT INTO Bayar_bln (NO_FAK, NOPOLISI, TGL_BAYAR, BAYAR_KE) VALUES
-> ('F-2014-03-001', 'B2345H', '2017-03-01', 3),
-> ('F-2014-03-002', 'H9234G', '2017-03-01', 4),
-> ('F-2014-04-001', 'H9234G', '2017-04-04', 5);
```

Query OK, 3 rows affected (0.003 sec)

Records: 3 Duplicates: 0 Warnings: 0

```
MariaDB [kendaraan_ilham]> select * from bayar_bln;
```

NO_FAK	NOPOLISI	TGL_BAYAR	BAYAR_KE	ANGSURAN
F-2014-03-001	B2345H	2017-03-01	3	NULL
F-2014-03-002	H9234G	2017-03-01	4	NULL
F-2014-04-001	H9234G	2017-04-04	5	NULL

3 rows in set (0.001 sec)

## UPDATE menggunakan data motor yang sudah ada

```
MariaDB [kendaraan_ilham]> UPDATE Bayar_bln B
-> JOIN Motor M ON B.NOPOLISI = M.nopolisi
-> SET B.ANGSURAN = M.Angsuran;
```

Query OK, 3 rows affected (0.004 sec)

Rows matched: 3 Changed: 3 Warnings: 0

```
MariaDB [kendaraan_ilham]> select * from bayar_bln;
```

NO_FAK	NOPOLISI	TGL_BAYAR	BAYAR_KE	ANGSURAN
F-2014-03-001	B2345H	2017-03-01	3	550000
F-2014-03-002	H9234G	2017-03-01	4	700000
F-2014-04-001	H9234G	2017-04-04	5	700000

3 rows in set (0.001 sec)

5. Buat tabel rekap bayar : nama tabel Rekap\_byr

Isi data tabel rekap\_byr, total\_bayar di ambil dari tabel bayar\_bln

NOPOLISI	TOTAL_BAYAR
B2345H	
H9234G	

```
MariaDB [kendaraan_ilham]> CREATE TABLE Rekap_byr (
  ->   NOPOLISI VARCHAR(10),
  ->   TOTAL_BAYAR INT,
  ->   FOREIGN KEY (NOPOLISI) REFERENCES Pemilik(nopolisi)
  -> );
```

Query OK, 0 rows affected (0.016 sec)

```
MariaDB [kendaraan_ilham]> desc rekap_byr;
```

Field	Type	Null	Key	Default	Extra
NOPOLISI	varchar(10)	YES	MUL	NULL	
TOTAL_BAYAR	int(11)	YES		NULL	

2 rows in set (0.007 sec)

INSERT DATA dengan mengambil nilai dari table lain

```
MariaDB [kendaraan_ilham]> INSERT INTO Rekap_byr (NOPOLISI, TOTAL_BAYAR)
  -> SELECT NOPOLISI, SUM(ANGSURAN) AS TOTAL_BAYAR
  -> FROM Bayar_bln
  -> GROUP BY NOPOLISI;
```

Query OK, 2 rows affected (0.005 sec)

Records: 2 Duplicates: 0 Warnings: 0

```
MariaDB [kendaraan_ilham]> select * from rekap_byr;
```

NOPOLISI	TOTAL_BAYAR
B2345H	550000
H9234G	1400000

2 rows in set (0.009 sec)

6. Relasikan ke empat tabel tersebut

a. Relasi antara Tabel Pemilik dan Motor

```
MariaDB [kendaraan_ilham]> ALTER TABLE Motor
  -> ADD CONSTRAINT FK_Motor_Pemilik
  -> FOREIGN KEY (nopolisi) REFERENCES Pemilik(nopolisi);
```

Query OK, 4 rows affected (0.054 sec)

Records: 4 Duplicates: 0 Warnings: 0

b. Relasi antara Tabel Motor dan Merk

```
MariaDB [kendaraan_ilham]> ALTER TABLE Motor
  -> ADD CONSTRAINT FK_Motor_Merk
  -> FOREIGN KEY (Kode_merk) REFERENCES Merk(KD_MERK);
```

Query OK, 4 rows affected (0.045 sec)

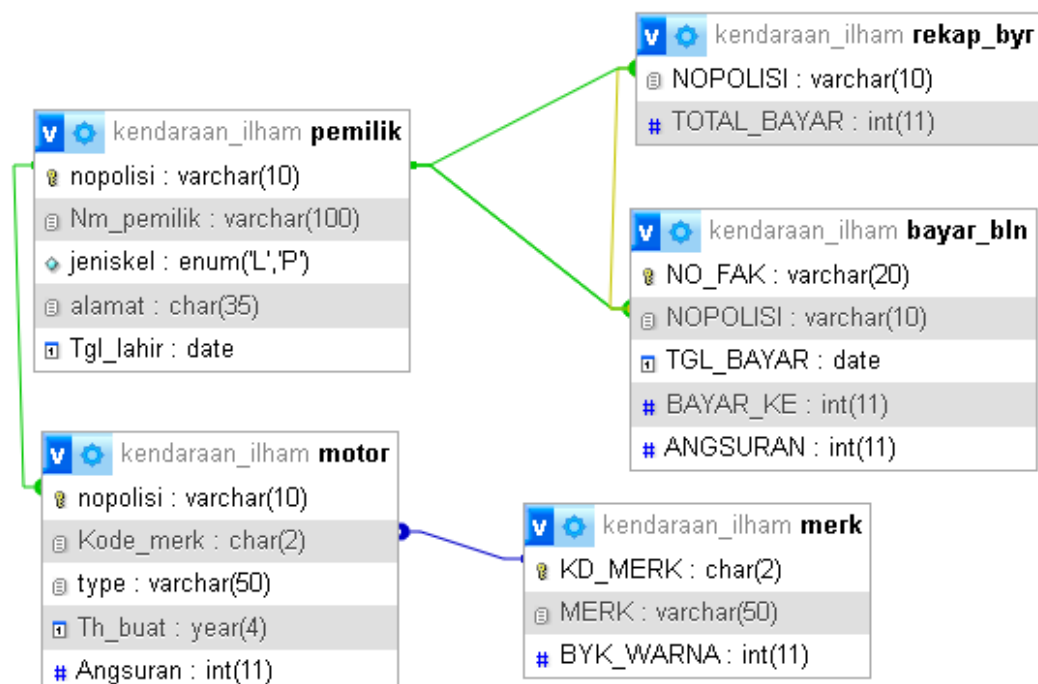
Records: 4 Duplicates: 0 Warnings: 0

### c. Relasi antara Tabel Pemilik dan Bayar\_bln

```
MariaDB [kendaraan_ilham]> ALTER TABLE Bayar_bln
-> ADD CONSTRAINT FK_Bayar_bln_Pemilik
-> FOREIGN KEY (NOPOLISI) REFERENCES Pemilik(nopolisi);
Query OK, 3 rows affected (0.051 sec)
Records: 3 Duplicates: 0 Warnings: 0
```

### d. Relasi antara Tabel Bayar\_bln dan Rekap\_byr

```
MariaDB [kendaraan_ilham]> ALTER TABLE Rekap_byr
-> ADD CONSTRAINT FK_Rekap_byr_Bayar_bln
-> FOREIGN KEY (NOPOLISI) REFERENCES Bayar_bln(NOPOLISI);
Query OK, 2 rows affected (0.066 sec)
Records: 2 Duplicates: 0 Warnings: 0
```



## 7. BUATLAH IZIN AKSES

User	Password	database	tabel	izin
belimotor	motor	motor	Semua tabel	Insert, delete update, select, create, alter
sales	sales	motor	Semua tabel	select
lihat		motor	merk	Select (kd_merk, merk)

```
MariaDB [kendaraan_ilham]> CREATE USER 'belimotor'@'localhost' IDENTIFIED BY 'motor';
Query OK, 0 rows affected (0.003 sec)
```

```
MariaDB [kendaraan_ilham]> GRANT INSERT, DELETE, UPDATE, SELECT, CREATE, ALTER ON KENDARAAN_ILHAM.* TO 'belimotor'@'localhost';
Query OK, 0 rows affected (0.003 sec)
```

```

MariaDB [kendaraan_ilham]>
MariaDB [kendaraan_ilham]> CREATE USER 'sales'@'localhost' IDENTIFIED BY 'sales';
Query OK, 0 rows affected (0.002 sec)

MariaDB [kendaraan_ilham]>
MariaDB [kendaraan_ilham]> GRANT SELECT ON KENDARAAN_ILHAM.* TO 'sales'@'localhost';
Query OK, 0 rows affected (0.002 sec)

MariaDB [kendaraan_ilham]> CREATE USER 'lihat'@'localhost';
Query OK, 0 rows affected (0.002 sec)

MariaDB [kendaraan_ilham]>
MariaDB [kendaraan_ilham]> GRANT SELECT (KD_MERK, MERK) ON KENDARAAN_ILHAM.Merk TO 'lihat'@'localhost';
Query OK, 0 rows affected (0.002 sec)

```

## 8. Tampilkan data no polisi, nama yang jenis kelamin L, merk, tahun buat

```

MariaDB [kendaraan_ilham]> SELECT P.nopolisi, P.Nm_pemilik, M.MERK, MT.Th_buat
-> FROM Pemilik P
-> JOIN Motor MT ON P.nopolisi = MT.nopolisi
-> JOIN Merk M ON MT.Kode_merk = M.KD_MERK
-> WHERE P.jeniskel = 'L';

```

nopolisi	Nm_pemilik	MERK	Th_buat
B2345H	SALSA	SUZUKI	2016
G3456A	SUGIARTO	YAMAHA	2017
G3562B	AHMAD	SUZUKI	2016

```

3 rows in set (0.002 sec)

```

## 9. Tampilkan data pembayaran dengan no polisi, nama, tanggal bayar, angsuran.

```

MariaDB [kendaraan_ilham]> SELECT B.NOPOLISI, P.Nm_pemilik, B.TGL_BAYAR, B.ANGSURAN
-> FROM Bayar_bln B
-> JOIN Pemilik P ON B.NOPOLISI = P.nopolisi;

```

NOPOLISI	Nm_pemilik	TGL_BAYAR	ANGSURAN
B2345H	SALSA	2017-03-01	550000
H9234G	ALIMIN	2017-03-01	700000
H9234G	ALIMIN	2017-04-04	700000

```

3 rows in set (0.001 sec)

```

## 10. Tampilkan data no polisi, nama pembeli, bayar ke berapa, angsurannya dengan pembayaran yang ke 3 dan 4

```

MariaDB [kendaraan_ilham]> SELECT B.NOPOLISI, P.Nm_pemilik, B.BAYAR_KE, B.ANGSURAN
-> FROM Bayar_bln B
-> JOIN Pemilik P ON B.NOPOLISI = P.nopolisi
-> WHERE B.BAYAR_KE IN (3, 4);

```

NOPOLISI	Nm_pemilik	BAYAR_KE	ANGSURAN
B2345H	SALSA	3	550000
H9234G	ALIMIN	4	700000

```

2 rows in set (0.001 sec)

```



### 11. Tampilkan data no polisi, nama, alamat , total angsuran

```
MariaDB [kendaraan_ilham]> SELECT P.NOPOLISI, P.Nm_pemilik, P.alamat, SUM(B.ANGSURAN) AS Total_Angsuran
-> FROM Pemilik P
-> JOIN Bayar_bln B ON P.NOPOLISI = B.NOPOLISI
-> GROUP BY P.NOPOLISI, P.Nm_pemilik, P.alamat;
```

NOPOLISI	Nm_pemilik	alamat	Total_Angsuran
B2345H	SALSA	JL. GURAME NO 6	550000
H9234G	ALIMIN	JL. JAWA NO 45	1400000

2 rows in set (0.005 sec)

### 12. Tampilkan no polisi, nama , merek mobil , no faktur, angsuran yang nomor polisi B2345H.

```
MariaDB [kendaraan_ilham]> SELECT
-> p.nopolisi,
-> p.Nm_pemilik AS nama,
-> m.Kode_merk,
-> k.MERK AS merek_motor,
-> b.NO_FAK,
-> b.ANGSURAN
-> FROM
-> Pemilik p
-> JOIN
-> Motor m ON p.nopolisi = m.nopolisi
-> JOIN
-> Merk k ON m.Kode_merk = k.KD_MERK
-> LEFT JOIN
-> Bayar_bln b ON p.nopolisi = b.NOPOLISI
-> WHERE
-> p.nopolisi = 'B2345H';
```

nopolisi	nama	Kode_merk	merek_motor	NO_FAK	ANGSURAN
B2345H	SALSA	SU	SUZUKI	F-2014-03-001	550000

1 row in set (0.002 sec)

### 13. Tampilkan no polisi, nama, type mobil, banyak warna

```
MariaDB [kendaraan_ilham]> SELECT
-> p.nopolisi,
-> p.Nm_pemilik AS nama,
-> m.type AS tipe_motor,
-> m.Kode_merk,
-> k.BYK_WARNA AS banyak_warna
-> FROM
-> Pemilik p
-> JOIN
-> Motor m ON p.nopolisi = m.nopolisi
-> JOIN
-> Merk k ON m.Kode_merk = k.KD_MERK;
```

nopolisi	nama	tipe_motor	Kode_merk	banyak_warna
B2345H	SALSA	TERNADO	SU	17
G3456A	SUGIARTO	BIXZ	YH	14
G3562B	AHMAD	NINJA	SU	17
H9234G	ALIMIN	SUPRA X	HD	21

4 rows in set (0.001 sec)

14. Tampilkan no polisi , nama , tanggal bayar, bayar ke berapa , yang hanya bayar ke 5.

```
MariaDB [kendaraan_ilham]> SELECT
->   p.nopolisi,
->   p.Nm_pemilik AS nama,
->   b.TGL_BAYAR AS tanggal_bayar,
->   b.BAYAR_KE AS bayar_ke
-> FROM
->   Bayar_bln b
-> JOIN
->   Pemilik p ON b.NOPOLISI = p.nopolisi
-> WHERE
->   b.BAYAR_KE = 5;
+-----+-----+-----+-----+
| nopolisi | nama   | tanggal_bayar | bayar_ke |
+-----+-----+-----+-----+
| H9234G   | ALIMIN | 2017-04-04     | 5        |
+-----+-----+-----+-----+
1 row in set (0.002 sec)
```

15. Tampilkan data no polisi, nama, total bayar yang berjenis kelamin P

```
MariaDB [kendaraan_ilham]> SELECT
->   p.nopolisi,
->   p.Nm_pemilik AS nama,
->   r.TOTAL_BAYAR AS total_bayar
-> FROM
->   Rekap_byr r
-> JOIN
->   Pemilik p ON r.NOPOLISI = p.nopolisi
-> WHERE
->   p.jeniskel = 'P';
+-----+-----+-----+
| nopolisi | nama   | total_bayar |
+-----+-----+-----+
| H9234G   | ALIMIN | 14000000    |
+-----+-----+-----+
1 row in set (0.001 sec)
```

16. Edit data pada tabel merk dengan kode HD yaitu byk\_warna adalah diganti dengan 16 warna baru, setelah itu tampilkan datanya keseluruhan (tabel merk)

```
MariaDB [kendaraan_ilham]> UPDATE Merk
-> SET BYK_WARNA = 16
-> WHERE KD_MERK = 'HD';
Query OK, 1 row affected (0.003 sec)
Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [kendaraan_ilham]> SELECT * FROM Merk;
+-----+-----+-----+
| KD_MERK | MERK   | BYK_WARNA |
+-----+-----+-----+
| HD      | HONDA  | 16        |
| SU      | SUZUKI | 17        |
| YH      | YAMAHA | 14        |
+-----+-----+-----+
3 rows in set (0.001 sec)
```

17. Tampilkanlah data pemilik (nama, alamat), tabel merk dan hanya yang suzuki

```

MariaDB [kendaraan_ilham]> SELECT
->     p.Nm_pemilik AS nama,
->     p.alamat,
->     m.MERK AS merk
-> FROM
->     Pemilik p
-> JOIN
->     Motor mo ON p.nopolisi = mo.nopolisi
-> JOIN
->     Merk m ON mo.Kode_merk = m.KD_MERK
-> WHERE
->     m.MERK = 'SUZUKI';
+-----+-----+-----+
| nama | alamat | merk |
+-----+-----+-----+
| SALSA | JL. GURAME NO 6 | SUZUKI |
| AHMAD | JL. SEMANGGI NO 6 | SUZUKI |
+-----+-----+-----+
2 rows in set (0.001 sec)

```

18. Tampilkanlah data tabel pembayaran bulanan beserta nama pembeli

```

MariaDB [kendaraan_ilham]> SELECT
->     b.NO_FAK,
->     b.NOPOLISI,
->     p.Nm_pemilik AS nama_pembeli,
->     b.TGL_BAYAR,
->     b.BAYAR_KE,
->     b.ANGSURAN
-> FROM
->     Bayar_bln b
-> JOIN
->     Pemilik p ON b.NOPOLISI = p.nopolisi;
+-----+-----+-----+-----+-----+-----+
| NO_FAK | NOPOLISI | nama_pembeli | TGL_BAYAR | BAYAR_KE | ANGSURAN |
+-----+-----+-----+-----+-----+-----+
| F-2014-03-001 | B2345H | SALSA | 2017-03-01 | 3 | 550000 |
| F-2014-03-002 | H9234G | ALIMIN | 2017-03-01 | 4 | 700000 |
| F-2014-04-001 | H9234G | ALIMIN | 2017-04-04 | 5 | 700000 |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.002 sec)

```

19. Tampilkanlah data tabel rekap bayar dan nama pemilik.

```

MariaDB [kendaraan_ilham]> SELECT
->     r.NOPOLISI,
->     p.Nm_pemilik AS nama_pemilik,
->     r.TOTAL_BAYAR
-> FROM
->     Rekap_byr r
-> JOIN
->     Pemilik p ON r.NOPOLISI = p.nopolisi;
+-----+-----+-----+
| NOPOLISI | nama_pemilik | TOTAL_BAYAR |
+-----+-----+-----+
| B2345H | SALSA | 550000 |
| H9234G | ALIMIN | 1400000 |
+-----+-----+-----+
2 rows in set (0.001 sec)

```

20. Buat dari tabel diatas 2 tabel view dan berikan alasannya di bawah  
**Alasan:** View ini menyediakan informasi terintegrasi mengenai pembayaran bulanan dengan nama pembeli, sehingga mempermudah untuk mendapatkan data pembayaran dan pembeli dalam satu tampilan.

```
MariaDB [kendaraan_ilham]> CREATE VIEW View_Pembayaran_Bulanan AS
-> SELECT
->     b.NO_FAK,
->     b.NOPOLISI,
->     p.Nm_pemilik AS nama_pembeli,
->     b.TGL_BAYAR,
->     b.BAYAR_KE,
->     b.ANGSURAN
-> FROM
->     Bayar_bln b
-> JOIN
->     Pemilik p ON b.NOPOLISI = p.nopolisi;
Query OK, 0 rows affected (0.007 sec)
```

```
MariaDB [kendaraan_ilham]> SELECT * FROM View_Pembayaran_Bulanan;
```

NO_FAK	NOPOLISI	nama_pembeli	TGL_BAYAR	BAYAR_KE	ANGSURAN
F-2014-03-001	B2345H	SALSA	2017-03-01	3	550000
F-2014-03-002	H9234G	ALIMIN	2017-03-01	4	700000
F-2014-04-001	H9234G	ALIMIN	2017-04-04	5	700000

```
3 rows in set (0.003 sec)
```

**Alasan:** View ini menyatukan informasi tentang motor, termasuk tipe dan merk serta banyak warnanya, bersama dengan data pemilik. Ini memudahkan pemantauan informasi motor secara komprehensif.

```
MariaDB [kendaraan_ilham]> CREATE VIEW View_Informasi_Motor AS
-> SELECT
->     p.nopolisi,
->     p.Nm_pemilik AS nama,
->     m.type AS tipe_motor,
->     k.MERK AS merk_motor,
->     k.BYK_WARNA AS banyak_warna
-> FROM
->     Pemilik p
-> JOIN
->     Motor m ON p.nopolisi = m.nopolisi
-> JOIN
->     Merk k ON m.Kode_merk = k.KD_MERK;
Query OK, 0 rows affected (0.004 sec)
```

```
MariaDB [kendaraan_ilham]> SELECT * FROM View_Informasi_Motor;
```

nopolisi	nama	tipe_motor	merk_motor	banyak_warna
B2345H	SALSA	TERNADO	SUZUKI	17
G3456A	SUGIARTO	BIXZ	YAMAHA	14
G3562B	AHMAD	NINJA	SUZUKI	17
H9234G	ALIMIN	SUPRA X	HONDA	16

```
4 rows in set (0.002 sec)
```

