

Nama : Iqbal Maulana

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Prodi : Manajemen Informatika

1. Membuat database siresto

create database siresto;

```
C:\Windows\system32\cmd.exe - mysql -u root -p
MariaDB [(none)]> create database siresto;
Query OK, 1 row affected (0.001 sec)

MariaDB [(none)]> use siresto;
Database changed
```

2. Membuat tabel KARYAWAN

CREATE TABLE KARYAWAN (Id CHAR(5) PRIMARY KEY, Nama VARCHAR(50) NOT NULL, TglLahir DATE, No_KTP CHAR(16) NOT NULL UNIQUE, Posisi VARCHAR(18) NOT NULL);

```
MariaDB [siresto]> CREATE TABLE KARYAWAN (Id CHAR(5) PRIMARY KEY, Nama VARCHAR(50) NOT NULL, TglLahir DATE, No_KTP CHAR(16) NOT NULL UNIQUE, Posisi VARCHAR(18) NOT NULL);
Query OK, 0 rows affected (0.228 sec)
```

3. Membuat tabel KOKI

CREATE TABLE KOKI (Id CHAR(5) PRIMARY KEY, Sertifikasi VARCHAR(50) NOT NULL, FOREIGN KEY (Id) REFERENCES KARYAWAN(Id));

```
MariaDB [siresto]> CREATE TABLE KOKI (Id CHAR(5) PRIMARY KEY, Sertifikasi VARCHAR(50) NOT NULL, FOREIGN KEY (Id) REFERENCES KARYAWAN(Id));
Query OK, 0 rows affected (0.222 sec)
```

4. Membuat tabel SUPPLIER

CREATE TABLE SUPPLIER (Id CHAR(5) PRIMARY KEY, Nama VARCHAR(50) NOT NULL, Telepon VARCHAR(15) NOT NULL, Email TEXT);

```
MariaDB [siresto]> CREATE TABLE SUPPLIER (Id CHAR(5) PRIMARY KEY, Nama VARCHAR(50) NOT NULL, Telepon VARCHAR(15) NOT NULL, Email TEXT);
Query OK, 0 rows affected (0.213 sec)
```

5. Membuat tabel KATEGORI

CREATE TABLE KATEGORI (Id CHAR(5) PRIMARY KEY, Nama VARCHAR(50) NOT NULL);

```
MariaDB [siresto]> CREATE TABLE KATEGORI (Id CHAR(5) PRIMARY KEY, Nama VARCHAR(50) NOT NULL);
Query OK, 0 rows affected (0.211 sec)
```

6. Membuat tabel MENU

CREATE TABLE MENU (Nama VARCHAR(50) PRIMARY KEY, Harga INTEGER NOT NULL, IdKategori CHAR(5) NOT NULL, FOREIGN KEY (IdKategori) REFERENCES KATEGORI(Id));

```
MariaDB [siresto]> CREATE TABLE MENU (Nama VARCHAR(50) PRIMARY KEY, Harga INTEGER NOT NULL, IdKategori CHAR(5) NOT NULL, FOREIGN KEY (IdKategori) REFERENCES KATEGORI(Id));
Query OK, 0 rows affected (0.226 sec)
```

7. Membuat tabel MENU_HARIAN

CREATE TABLE MENU_HARIAN (NamaMenu VARCHAR(50), Tanggal DATE, IdKoki CHAR(5), Jumlah SMALLINT NOT NULL, PRIMARY KEY (NamaMenu, Tanggal, IdKoki), FOREIGN KEY (NamaMenu) REFERENCES MENU(Nama), FOREIGN KEY (IdKoki) REFERENCES KOKI(Id));

```
MariaDB [siresto]> CREATE TABLE MENU_HARIAN (NamaMenu VARCHAR(50), Tanggal DATE, IdKoki CHAR(5), Jumlah SMALLINT NOT NULL, PRIMARY KEY (NamaMenu, Tanggal, IdKoki), FOREIGN KEY (NamaMenu) REFERENCES MENU(Nama), FOREIGN KEY (IdKoki) REFERENCES KOKI(Id));
Query OK, 0 rows affected (0.258 sec)
```

8. Membuat tabel BAHAN_BAKU

CREATE TABLE BAHAN_BAKU (Nama VARCHAR(50) PRIMARY KEY, Stok SMALLINT NOT NULL, Satuan VARCHAR(10) NOT NULL);

```
MariaDB [siresto]> CREATE TABLE BAHAN_BAKU (Nama VARCHAR(50) PRIMARY KEY, Stok SMALLINT NOT NULL, Satuan VARCHAR(10) NOT NULL);
Query OK, 0 rows affected (0.237 sec)
```

9. Membuat tabel BAHAN_BAKU_MENU

```
CREATE TABLE BAHAN_BAKU_MENU (NamaMenu VARCHAR(50), NamaBahan VARCHAR(50), Jumlah SMALLINT NOT NULL, Satuan VARCHAR(10) NOT NULL, PRIMARY KEY (NamaMenu, NamaBahan), FOREIGN KEY (NamaMenu) REFERENCES MENU(Nama), FOREIGN KEY (NamaBahan) REFERENCES BAHAN_BAKU(Nama));
```

```
MariaDB [siresto]> CREATE TABLE BAHAN_BAKU_MENU (NamaMenu VARCHAR(50), NamaBahan VARCHAR(50), Jumlah SMALLINT NOT NULL, Satuan VARCHAR(10) NOT NULL, PRIMARY KEY (NamaMenu, NamaBahan), FOREIGN KEY (NamaMenu) REFERENCES MENU(Nama), FOREIGN KEY (NamaBahan) REFERENCES BAHAN_BAKU(Nama));
Query OK, 0 rows affected (0.249 sec)
```

10. Membuat tabel PEMBELIAN_BAHAN_BAKU

```
CREATE TABLE PEMBELIAN_BAHAN_BAKU (Nota VARCHAR(10) PRIMARY KEY, NamaBahan VARCHAR(50) NOT NULL, Jumlah SMALLINT NOT NULL, Satuan VARCHAR(10) NOT NULL, HargaSatuan INTEGER NOT NULL, Waktu DATE NOT NULL, IdSupplier CHAR(5), IdKaryawan CHAR(5), FOREIGN KEY (NamaBahan) REFERENCES BAHAN_BAKU(Nama), FOREIGN KEY (IdSupplier) REFERENCES SUPPLIER(Id), FOREIGN KEY (IdKaryawan) REFERENCES KARYAWAN(Id));
```

```
MariaDB [siresto]> CREATE TABLE PEMBELIAN_BAHAN_BAKU (Nota VARCHAR(10) PRIMARY KEY, NamaBahan VARCHAR(50) NOT NULL, Jumlah SMALLINT NOT NULL, Satuan VARCHAR(10) NOT NULL, HargaSatuan INTEGER NOT NULL, Waktu DATE NOT NULL, IdSupplier CHAR(5), IdKaryawan CHAR(5), FOREIGN KEY (NamaBahan) REFERENCES BAHAN_BAKU(Nama), FOREIGN KEY (IdSupplier) REFERENCES SUPPLIER(Id), FOREIGN KEY (IdKaryawan) REFERENCES KARYAWAN(Id));
Query OK, 0 rows affected (0.484 sec)
```

11. Mengisi data tabel KARYAWAN

```
INSERT INTO Karyawan (Id, Nama, TglLahir, No_KTP, Posisi) VALUES (16901, 'Alan Nolan', '1979-02-19', '7867313192486378', 'manager'), (16902, 'Adi Stone', '1981-07-06', '3958957716354255', 'koki'), (16903, 'Benadict Goff', '1989-01-07', '5138557373336434', 'koki'), (16904, 'Benjamin Hadi', '1990-06-11', '8654380767277662', 'koki'), (16905, 'Cassandra Bishop', '1987-07-06', '9810599846936552', 'staff'), (16906, 'Charles Talley', '1986-11-21', '1742870859287685', 'staff'), (16907, 'Charles Walters', '1992-05-24', '6101796466188583', 'staff'), (16908, 'Curran Tradi', '1981-06-22', '2571924567963357', 'cashier'), (16909, 'Darrel Owen', '1992-06-07', '9045108692648731', 'koki'), (16910, 'Evan Fleming', '1974-07-25', '2188923777981912', 'cashier'), (16911, 'Fiona Moran', '1977-07-27', '9551219455894049', 'staff'), (16912, 'Hermione Ferguson', '1971-05-10', '6706949116938119', 'koki'), (16913, 'Hilary Bradley', '1973-09-11', '9732119515542017', 'koki');
```

```
C:\Windows\system32\cmd.exe - mysql -u root -p
MariaDB [siresto]> INSERT INTO Karyawan (Id, Nama, TglLahir, No_KTP, Posisi) VALUES (16901, 'Alan Nolan', '1979-02-19', '7867313192486378', 'manager'), (16902, 'Adi Stone', '1981-07-06', '3958957716354255', 'koki'), (16903, 'Benadict Goff', '1989-01-07', '5138557373336434', 'koki'), (16904, 'Benjamin Hadi', '1990-06-11', '865438076727662', 'koki'), (16905, 'Cassandra Bishop', '1987-07-06', '9810599846936552', 'staff'), (16906, 'Charles Talley', '1986-11-21', '1742870859287685', 'staff'), (16907, 'Charles Walters', '1992-05-24', '6101796466188583', 'staff'), (16908, 'Curran Tradi', '1981-06-22', '2571924567963357', 'cashier'), (16909, 'Darrel Owen', '1992-06-07', '9045108692648731', 'koki'), (16910, 'Evan Fleming', '1974-07-25', '2188923777981912', 'cashier'), (16911, 'Fiona Moran', '1977-07-27', '9551219455894049', 'staff'), (16912, 'Hermione Ferguson', '1971-05-10', '6706949116938119', 'koki'), (16913, 'Hilary Bradley', '1973-09-11', '9732119515542017', 'koki');
Query OK, 13 rows affected (0.241 sec)
Records: 13 Duplicates: 0 Warnings: 0
```

12. Mengisi data tabel KOKI

```
INSERT INTO KOKI (Id, Sertifikasi) VALUES ('16902', 'Pastry'), ('16903', 'Fry'), ('16904', 'Pastry'), ('16909', 'Fry'), ('16912', 'Grill'), ('16913', 'Pantry');
```

```
MariaDB [siresto]> INSERT INTO KOKI (Id, Sertifikasi) VALUES ('16902', 'Pastry'), ('16903', 'Fry'), ('16904', 'Pastry'), ('16909', 'Fry'), ('16912', 'Grill'), ('16913', 'Pantry');
Query OK, 6 rows affected (0.160 sec)
Records: 6 Duplicates: 0 Warnings: 0
```

13. Mengisi data tabel SUPPLIER

```
INSERT INTO SUPPLIER (Id, Nama, Telepon, Email) VALUES ('10001', 'Airawati Shop', '087865764567', NULL), ('10002', 'Ali Sumihar Shop', '087656434321', 'AliSumi@yahoo.com'), ('10003', 'Bagas Aras Shop', '081234565432', NULL), ('10004', 'Bertua Shop', '081234567865', 'Bertuasss@gmail.com'), ('10005', 'Chintya Shop', '081234567654', 'Chintya25@yahoo.com'), ('10006', 'Dame Damanik Shop', '081245768932', 'Dame.damanik@yahoo.com'), ('10007', 'Dame Uli Shop', '081234568211', 'Dameuli@gmail.com'), ('10008', 'Emil Sutrisno Shop', '082456784356', 'EmilSutrisno@yahoo.com'), ('10009', 'Ifan Shop', '087654567876',
```

'ifan@gmail.com'), ('10010', 'Igun Ranaro Shop', '085678415678', NULL), ('10011', 'Joni Shop', '08765467876', 'joni@gmail.com');

```
MariaDB [siresto]> INSERT INTO SUPPLIER (Id, Nama, Telepon, Email) VALUES ('10001', 'Airawati Shop', '087865764567', NULL), ('10002', 'Ali Sumihar Shop', '087656434321', 'AlliSumi@yahoo.com'), ('10003', 'Bagas Aras Shop', '081234565432', NULL), ('10004', 'Bertua Shop', '081234567865', 'Bertuasss@gmail.com'), ('10005', 'Chintya Shop', '081234567654', 'Chintya25@yahoo.com'), ('10006', 'Dame Damanik Shop', '081245768932', 'Dame.damanik@yahoo.com'), ('10007', 'Dame Uli Shop', '081234568211', 'Dameuli@gmail.com'), ('10008', 'Emil Sutrisno Shop', '082456784356', 'EmilSutrisno@yahoo.com'), ('10009', 'Ifan Shop', '087654567876', 'ifan@gmail.com'), ('10010', 'Igun Ranaro Shop', '085678415678', NULL), ('10011', 'Joni Shop', '08765467876', 'joni@gmail.com');
Query OK, 11 rows affected (0.009 sec)
Records: 11 Duplicates: 0 Warnings: 0
```

14. Mengisi data tabel KATEGORI

INSERT INTO KATEGORI (Id, Nama) VALUES ('33331', 'Makanan'), ('33332', 'Minuman'), ('33333', 'Cemilan'), ('33334', 'Pencuci Mulut');

```
MariaDB [siresto]> INSERT INTO KATEGORI (Id, Nama) VALUES ('33331', 'Makanan'), ('33332', 'Minuman'), ('33333', 'Cemilan'), ('33334', 'Pencuci Mulut');
Query OK, 4 rows affected (0.008 sec)
Records: 4 Duplicates: 0 Warnings: 0
```

15. Mengisi data tabel MENU

INSERT INTO MENU (Nama, Harga, IdKategori) VALUES ('Air mineral', 5000, '33332'), ('Ayam goreng tepung', 30000, '33331'), ('Bebek goreng mentega', 30000, '33331'), ('Bubur ayam', 20000, '33331'), ('Cah kailan', 25000, '33331'), ('Cumi bakar', 30000, '33333'), ('Cumi goreng', 30000, '33333'), ('Es teh', 3000, '33332'), ('Es teh manis', 5000, '33332'), ('Gurame bakar', 28000, '33331'), ('Gurame goreng asam manis', 28000, '33331'), ('Jus alpukat', 15000, '33332'), ('Jus apel', 15000, '33332'), ('Kue keju', 25000, '33334'), ('Kue tiramisu', 30000, '33334');

```
MariaDB [siresto]> INSERT INTO MENU (Nama, Harga, IdKategori) VALUES ('Air mineral', 5000, '33332'), ('Ayam goreng tepung', 30000, '33331'), ('Bebek goreng mentega', 30000, '33331'), ('Bubur ayam', 20000, '33331'), ('Cah kailan', 25000, '33331'), ('Cumi bakar', 30000, '33333'), ('Cumi goreng', 30000, '33333'), ('Es teh', 3000, '33332'), ('Es teh manis', 5000, '33332'), ('Gurame bakar', 28000, '33331'), ('Gurame goreng asam manis', 28000, '33331'), ('Jus alpukat', 15000, '33332'), ('Jus apel', 15000, '33332'), ('Kue keju', 25000, '33334'), ('Kue tiramisu', 30000, '33334');
Query OK, 15 rows affected (0.181 sec)
Records: 15 Duplicates: 0 Warnings: 0
```

16. Mengisi data tabel MENU_HARIAN

INSERT INTO MENU_HARIAN (NamaMenu, Tanggal, IdKoki, Jumlah) VALUES ('Air mineral', '2016-07-04', '16912', 2), ('Air mineral', '2016-07-04', '16903', 5), ('Cumi goreng', '2016-07-05', '16902', 2), ('Es teh', '2016-07-05', '16903', 5), ('Cah kailan', '2016-07-05', '16902', 3), ('Jus alpukat', '2016-07-06', '16904', 3), ('Cumi bakar', '2016-07-07', '16912', 7), ('Gurame goreng asam manis', '2016-07-10', '16912', 4), ('Kue keju', '2016-07-10', '16909', 1), ('Cah kailan', '2016-07-10', '16904', 6), ('Es teh', '2016-07-11', '16904', 10), ('Gurame goreng asam manis', '2016-07-12', '16902', 5), ('Jus alpukat', '2016-07-12', '16909', 3), ('Jus alpukat', '2016-07-13', '16903', 3), ('Ayam goreng tepung', '2016-07-17', '16909', 8), ('Bebek goreng mentega', '2016-07-17', '16912', 5), ('Cah kailan', '2016-07-17', '16904', 3), ('Kue keju', '2016-07-18', '16909', 7), ('Cumi goreng', '2016-07-19', '16902', 6), ('Es teh', '2016-07-20', '16902', 10), ('Kue keju', '2016-07-24', '16904', 6), ('Kue keju', '2016-07-25', '16902', 8), ('Jus alpukat', '2016-07-26', '16913', 1), ('Kue keju', '2016-07-26', '16902', 2), ('Kue keju', '2016-07-26', '16903', 4), ('Cumi goreng', '2016-07-26', '16904', 10), ('Es teh', '2016-07-27', '16902', 5), ('Es teh manis', '2016-07-31', '16913', 5), ('Gurame bakar', '2016-08-01', '16909', 8), ('Cumi goreng', '2016-08-01', '16904', 9), ('Kue keju', '2016-08-01', '16902', 9), ('Bubur ayam', '2016-08-02', '16909', 6), ('Kue tiramisu', '2016-08-03', '16902', 8), ('Bebek goreng mentega', '2016-08-03', '16904', 8), ('Bubur ayam', '2016-08-07', '16902', 7), ('Es teh manis', '2016-08-07', '16904', 10), ('Gurame bakar', '2016-08-07', '16913', 3), ('Es teh', '2016-08-07', '16909', 8), ('Gurame bakar', '2016-08-07', '16902', 8), ('Es teh', '2016-08-08', '16904', 1), ('Bebek goreng mentega', '2016-08-09', '16912', 5), ('Bubur ayam', '2016-08-14', '16903', 6), ('Kue tiramisu', '2016-08-14', '16909', 8), ('Es teh manis', '2016-08-14', '16913', 8), ('Jus apel', '2016-08-15', '16912', 7), ('Kue tiramisu', '2016-08-16', '16902', 10), ('Bebek goreng mentega', '2016-08-16', '16903', 3), ('Es teh', '2016-08-16', '16904', 8), ('Bubur ayam', '2016-08-21', '16909', 4), ('Gurame bakar', '2016-08-22', '16903', 10), ('Cah kailan', '2016-08-22', '16902', 5), ('Es teh', '2016-08-22', '16904', 10), ('Gurame bakar', '2016-08-23', '16903', 6), ('Bubur ayam', '2016-08-23', '16903', 7), ('Cah kailan', '2016-08-24', '16904', 2), ('Bebek goreng mentega', '2016-08-28', '16902', 4), ('Cah kailan', '2016-08-28', '16909', 10), ('Bebek goreng mentega', '2016-08-

28', '16904', 5), ('Es teh manis', '2016-08-28', '16913', 3), ('Kue tiramisu', '2016-08-28', '16902', 10), ('Bebek goreng mentega', '2016-08-28', '16903', 3), ('Es teh', '2016-08-29', '16904', 8), ('Bubur ayam', '2016-08-29', '16909', 4), ('Gurame bakar', '2016-08-29', '16903', 10), ('Cah kailan', '2016-08-30', '16902', 5), ('Gurame bakar', '2016-08-31', '16903', 6), ('Es teh', '2016-09-01', '16904', 10), ('Bubur ayam', '2016-09-02', '16903', 7), ('Cah kailan', '2016-09-02', '16904', 2), ('Bebek goreng mentega', '2016-09-02', '16902', 4), ('Cah kailan', '2016-09-03', '16909', 10), ('Bebek goreng mentega', '2016-09-04', '16904', 5), ('Air mineral', '2016-09-05', '16913', 3);

```
C:\Windows\system32\cmd.exe - mysql -u root -p
MariaDB [siresto]> INSERT INTO MENU HARIAN (NamaMenu, Tanggal, Idkoki, Jumlah) VALUES ('Air mineral', '2016-07-04', '16912', 2), ('Air mineral', '2016-07-04', '16903', 5), ('Cumi goreng', '2016-07-05', '16902', 2), ('Es teh', '2016-07-05', '16903', 5), ('Cah kailan', '2016-07-05', '16902', 3), ('Jus alpukat', '2016-07-06', '16904', 3), ('Cumi bakar', '2016-07-07', '16912', 7), ('Gurame goreng asam manis', '2016-07-10', '16912', 4), ('Kue keju', '2016-07-10', '16909', 1), ('Cah kailan', '2016-07-10', '16904', 6), ('Es teh', '2016-07-11', '16904', 10), ('Gurame goreng asam manis', '2016-07-12', '16902', 5), ('Jus alpukat', '2016-07-12', '16909', 3), ('Jus alpukat', '2016-07-13', '16903', 3), ('Ayam goreng tepung', '2016-07-17', '16909', 8), ('Bebek goreng mentega', '2016-07-17', '16912', 5), ('Cah kailan', '2016-07-17', '16904', 3), ('Kue keju', '2016-07-18', '16909', 7), ('Cumi goreng', '2016-07-19', '16902', 6), ('Es teh', '2016-07-20', '16902', 10), ('Kue keju', '2016-07-24', '16904', 6), ('Kue keju', '2016-07-25', '16902', 8), ('Jus alpukat', '2016-07-26', '16913', 1), ('Kue keju', '2016-07-26', '16902', 2), ('Kue keju', '2016-07-26', '16903', 4), ('Cumi goreng', '2016-07-26', '16904', 10), ('Es teh', '2016-07-27', '16902', 5), ('Es teh manis', '2016-07-31', '16913', 5), ('Gurame bakar', '2016-08-01', '16909', 8), ('Cumi goreng', '2016-08-01', '16904', 9), ('Kue keju', '2016-08-01', '16902', 9), ('Bubur ayam', '2016-08-02', '16909', 6), ('Kue tiramisu', '2016-08-03', '16902', 8), ('Bebek goreng mentega', '2016-08-03', '16904', 8), ('Bubur ayam', '2016-08-07', '16902', 7), ('Es teh manis', '2016-08-07', '16904', 10), ('Gurame bakar', '2016-08-07', '16913', 3), ('Es teh', '2016-08-07', '16909', 8), ('Gurame bakar', '2016-08-07', '16902', 8), ('Es teh', '2016-08-08', '16904', 1), ('Bebek goreng mentega', '2016-08-09', '16912', 5), ('Bubur ayam', '2016-08-14', '16903', 6), ('Kue tiramisu', '2016-08-14', '16909', 8), ('Es teh manis', '2016-08-14', '16913', 8), ('Jus apel', '2016-08-15', '16912', 7), ('Kue tiramisu', '2016-08-16', '16902', 10), ('Bebek goreng mentega', '2016-08-16', '16903', 3), ('Es teh', '2016-08-16', '16904', 8), ('Bubur ayam', '2016-08-21', '16909', 4), ('Gurame bakar', '2016-08-22', '16903', 10), ('Cah kailan', '2016-08-22', '16902', 5), ('Es teh', '2016-08-22', '16904', 10), ('Gurame bakar', '2016-08-23', '16903', 6), ('Bubur ayam', '2016-08-23', '16903', 7), ('Cah kailan', '2016-08-24', '16904', 2), ('Bebek goreng mentega', '2016-08-28', '16902', 4), ('Cah kailan', '2016-08-28', '16909', 10), ('Bebek goreng mentega', '2016-08-28', '16904', 5), ('Es teh manis', '2016-08-28', '16913', 3), ('Kue tiramisu', '2016-08-28', '16902', 10), ('Bebek goreng mentega', '2016-08-28', '16903', 3), ('Es teh', '2016-08-29', '16904', 8), ('Bubur ayam', '2016-08-29', '16909', 4), ('Gurame bakar', '2016-08-29', '16903', 10), ('Cah kailan', '2016-08-30', '16902', 5), ('Gurame bakar', '2016-08-31', '16903', 6), ('Es teh', '2016-09-01', '16904', 10), ('Bubur ayam', '2016-09-02', '16903', 7), ('Cah kailan', '2016-09-02', '16904', 2), ('Bebek goreng mentega', '2016-09-02', '16902', 4), ('Cah kailan', '2016-09-03', '16909', 10), ('Bebek goreng mentega', '2016-09-04', '16904', 5), ('Air mineral', '2016-09-05', '16913', 3);
Query OK, 73 rows affected (0.166 sec)
Records: 73 Duplicates: 0 Warnings: 0
```

17. Mengisi data tabel BAHAN_BAKU

INSERT INTO BAHAN_BAKU (Nama, Stok, Satuan) VALUES ('Air', 6000, 'ml'), ('Ayam', 30, 'ekor'), ('Bebek', 26, 'ekor'), ('Tepung', 10000, 'gram'), ('Cumi', 50, 'ons'), ('Telur', 63, 'butir'), ('Teh', 123, 'kantong'), ('Gurame', 48, 'ekor'), ('Alpukat', 57, 'buah'), ('Apel', 36, 'buah'), ('Keju', 2360, 'gram'), ('Kopi', 1948, 'gram'), ('Kailan', 67, 'ikat'), ('Bawang putih', 6, 'Siung'), ('Gula', 3560, 'gram'), ('Beras', 1250, 'gram'), ('Garam', 5329, 'gram');

```
MariaDB [siresto]> INSERT INTO BAHAN_BAKU (Nama, Stok, Satuan) VALUES ('Air', 6000, 'ml'), ('Ayam', 30, 'ekor'), ('Bebek', 26, 'ekor'), ('Tepung', 10000, 'gram'), ('Cumi', 50, 'ons'), ('Telur', 63, 'butir'), ('Teh', 123, 'kantong'), ('Gurame', 48, 'ekor'), ('Alpukat', 57, 'buah'), ('Apel', 36, 'buah'), ('Keju', 2360, 'gram'), ('Kopi', 1948, 'gram'), ('Kailan', 67, 'ikat'), ('Bawang putih', 6, 'Siung'), ('Gula', 3560, 'gram'), ('Beras', 1250, 'gram'), ('Garam', 5329, 'gram');
Query OK, 17 rows affected (0.071 sec)
Records: 17 Duplicates: 0 Warnings: 0
```

18. Mengisi data tabel BAHAN_BAKU_MENU

INSERT INTO BAHAN_BAKU_MENU (NamaMenu, NamaBahan, Jumlah, Satuan) VALUES ('Air mineral', 'Air', 300, 'ml'), ('Ayam goreng tepung', 'Ayam', 1, 'ekor'), ('Ayam goreng tepung', 'Tepung', 100, 'gram'), ('Ayam goreng tepung', 'Garam', 20, 'gram'), ('Bebek goreng mentega', 'Bebek', 1, 'ekor'), ('Bebek goreng mentega', 'Garam', 25, 'gram'), ('Bubur ayam', 'Ayam', 1, 'ekor'), ('Bubur ayam', 'Beras', 200, 'gram'), ('Cah kailan', 'Kailan', 1, 'ikat'), ('Cah kailan', 'Bawang putih', 1, 'siung'), ('Cah kailan', 'Garam', 5, 'gram'), ('Cumi bakar', 'Cumi', 3, 'ons'), ('Cumi goreng', 'Cumi', 4, 'ons'), ('Cumi goreng', 'Tepung', 50, 'gram'), ('Es teh', 'Teh', 1, 'kantong'), ('Es teh', 'Air', 400, 'ml'), ('Es teh manis', 'Teh', 1, 'kantong'), ('Es teh manis', 'Air', 400, 'ml'), ('Es teh manis', 'Gula', 5, 'gram'), ('Gurame bakar', 'Gurame', 1, 'ekor'), ('Gurame goreng asam manis', 'Gurame', 1, 'ekor'), ('Gurame goreng asam manis', 'Gula', 10, 'gram'), ('Jus alpukat', 'Alpukat', 1, 'buah'), ('Jus alpukat', 'Air', 100, 'ml'), ('Jus apel', 'Apel', 2, 'buah'), ('Jus apel', 'Air', 50, 'ml'), ('Kue keju', 'Telur', 3, 'buah'), ('Kue keju', 'Keju', 250, 'gram'), ('Kue tiramisu', 'Telur', 3, 'buah'), ('Kue tiramisu', 'Kopi', 5, 'gram');

```
MariaDB [siresto]> INSERT INTO BAHAN_BAKU_MENU (NamaMenu, NamaBahan, Jumlah, Satuan) VALUES ('Air mineral', 'Air', 300, 'ml'), ('Ayam goreng tepung', 'Ayam', 1, 'ekor'), ('Ayam goreng tepung', 'Tepung', 100, 'gram'), ('Ayam goreng tepung', 'Garam', 20, 'gram'), ('Bebek goreng mentega', 'Bebek', 1, 'ekor'), ('Bebek goreng mentega', 'Garam', 25, 'gram'), ('Bubur ayam', 'Ayam', 1, 'ekor'), ('Bubur ayam', 'Beras', 200, 'gram'), ('Cah kailan', 'Kailan', 1, 'ikat'), ('Cah kailan', 'Bawang putih', 1, 'siung'), ('Cah kailan', 'Garam', 5, 'gram'), ('Cumi bakar', 'Cumi', 3, 'ons'), ('Cumi goreng', 'Cumi', 4, 'ons'), ('Cumi goreng', 'Tepung', 50, 'gram'), ('Es teh', 'Teh', 1, 'kantong'), ('Es teh', 'Air', 400, 'ml'), ('Es teh manis', 'Teh', 1, 'kantong'), ('Es teh manis', 'Air', 400, 'ml'), ('Es teh manis', 'Gula', 5, 'gram'), ('Gurame bakar', 'Gurame', 1, 'ekor'), ('Gurame goreng asam manis', 'Gurame', 1, 'ekor'), ('Gurame goreng asam manis', 'Gula', 10, 'gram'), ('Jus alpukat', 'Alpukat', 1, 'buah'), ('Jus alpukat', 'Air', 100, 'ml'), ('Jus apel', 'Apel', 2, 'buah'), ('Jus apel', 'Air', 50, 'ml'), ('Kue keju', 'Telur', 3, 'buah'), ('Kue keju', 'Keju', 250, 'gram'), ('Kue tiramisu', 'Telur', 3, 'buah'), ('Kue tiramisu', 'Kopi', 5, 'gram');
Query OK, 30 rows affected (0.187 sec)
Records: 30 Duplicates: 0 Warnings: 0
```


19. Mengisi data tabel PEMBELIAN_BAHAN_BAKU

```

INSERT INTO PEMBELIAN_BAHAN_BAKU (Nota, NamaBahan, Jumlah, Satuan,
HargaSatuan, Waktu, IdSupplier, IdKaryawan) VALUES ('78452', 'Tepung', 2500, 'gram', 8,
'2016-07-01', '10011', '16905'), ('75696', 'Teh', 10, 'kantong', 1500, '2016-07-01', '10008', '16905'),
('77429', 'Kailan', 10, 'ikat', 2900, '2016-07-01', '10011', '16905'), ('75011', 'Kailan', 10, 'ikat',
3000, '2016-07-08', '10011', '16906'), ('78302', 'Gurame', 2, 'ekor', 15000, '2016-07-08', '10009',
'16907'), ('79221', 'Garam', 1000, 'gram', 50, '2016-07-08', '10008', '16911'), ('73576', 'Gula', 1000,
'gram', 50, '2016-07-08', '10008', '16905'), ('74233', 'Teh', 15, 'kantong', 1500, '2016-07-08',
'10008', '16905'), ('72634', 'Bawang putih', 4, 'siung', 10000, '2016-07-08', '10006', '16906'),
('79276', 'Ayam', 7, 'ekor', 25000, '2016-07-12', '10006', '16905'), ('79817', 'Alpukat', 5, 'buah',
8000, '2016-07-12', '10004', '16906'), ('73142', 'Bebek', 1, 'ekor', 32000, '2016-07-12', '10002',
'16907'), ('73001', 'Kopi', 400, 'gram', 43, '2016-07-12', '10001', '16905'), ('71550', 'Kopi', 500,
'gram', 40, '2016-07-25', '10011', '16907'), ('71706', 'Teh', 10, 'kantong', 1500, '2016-07-25',
'10011', '16905'), ('77651', 'Teh', 6, 'kantong', 1500, '2016-08-01', '10011', '16905'), ('73584',
'Telur', 7, 'butir', 2000, '2016-08-01', '10011', '16911'), ('72794', 'Cumi', 5, 'ons', 8000, '2016-08-
01', '10009', '16906'), ('73528', 'Beras', 1500, 'gram', 77, '2016-08-06', '10008', '16911'), ('74541',
'Garam', 2000, 'gram', 50, '2016-08-07', '10008', '16905'), ('73414', 'Gula', 800, 'gram', 50, '2016-
08-15', '10008', '16905'), ('72131', 'Kopi', 750, 'gram', 37, '2016-08-15', '10008', '16905'), ('75788',
'Ayam', 5, 'ekor', 25000, '2016-08-15', '10007', '16906'), ('77335', 'Alpukat', 8, 'buah', 8000, '2016-
08-23', '10004', '16905'), ('76759', 'Apel', 5, 'buah', 5000, '2016-08-23', '10004', '16905'), ('79344',
'Bebek', 9, 'ekor', 35000, '2016-08-23', '10003', '16907'), ('78898', 'Bebek', 3, 'ekor', 35000, '2016-
08-23', '10002', '16907'), ('75689', 'Air', 1500, 'ml', 30, '2016-08-29', '10001', '16911'), ('72816',
'Kailan', 8, 'ikat', 10000, '2016-08-29', '10001', '16911'), ('78247', 'Keju', 500, 'gram', 40, '2016-09-
01', '10001', '16905'), ('75437', 'Teh', 30, 'kantong', 1500, '2016-09-01', '10001', '16905'), ('78627',
'Tepung', 500, 'gram', 16, '2016-09-01', '10001', '16905'), ('73460', 'Cumi', 5, 'ons', 8400, '2016-09-
01', '10009', '16906'), ('79027', 'Gurame', 3, 'ekor', 15000, '2016-09-01', '10009', '16907'), ('71043',
'Tepung', 2000, 'gram', 8, '2016-09-02', '10008', '16905'), ('71838', 'Telur', 20, 'butir', 2000, '2016-
09-02', '10001', '16905'), ('73138', 'Gurame', 10, 'ekor', 15000, '2016-09-02', '10010', '16905'),
('77263', 'Apel', 10, 'buah', 5000, '2016-09-02', '10005', '16906'), ('74544', 'Gurame', 8, 'ekor',
15000, '2016-09-03', '10010', '16905');

```

```

C:\Windows\system32\cmd.exe - mysql -u root -p
MariaDB [(silent)]> INSERT INTO PEMBELIAN_BAHAN_BAKU (Nota, NamaBahan, Jumlah, Satuan, HargaSatuan, Waktu, IdSupplier, IdKaryawan) VALUES ('78452', 'Tepung', 2500, 'gram',
8, '2016-07-01', '10011', '16905'), ('75696', 'Teh', 10, 'kantong', 1500, '2016-07-01', '10008', '16905'), ('77429', 'Kailan', 10, 'ikat', 2900, '2016-07-01', '10011',
'16905'), ('75011', 'Kailan', 10, 'ikat', 3000, '2016-07-08', '10011', '16906'), ('78302', 'Gurame', 2, 'ekor', 15000, '2016-07-08', '10009', '16907'), ('79221', 'Ga
ram', 1000, 'gram', 50, '2016-07-08', '10008', '16911'), ('73576', 'Gula', 1000, 'gram', 50, '2016-07-08', '10008', '16905'), ('74233', 'Teh', 15, 'kantong', 1500, '201
6-07-08', '10008', '16905'), ('72634', 'Bawang putih', 4, 'siung', 10000, '2016-07-08', '10006', '16906'), ('79276', 'Ayam', 7, 'ekor', 25000, '2016-07-12', '10006', '1
6905'), ('79817', 'Alpukat', 5, 'buah', 8000, '2016-07-12', '10004', '16906'), ('73142', 'Bebek', 1, 'ekor', 32000, '2016-07-12', '10002', '16907'), ('73001', 'Kopi', 4
00, 'gram', 43, '2016-07-12', '10001', '16905'), ('71550', 'Kopi', 500, 'gram', 40, '2016-07-25', '10011', '16907'), ('71706', 'Teh', 10, 'kantong', 1500, '2016-07-25',
'10011', '16905'), ('77651', 'Teh', 6, 'kantong', 1500, '2016-08-01', '10011', '16905'), ('73584', 'Telur', 7, 'butir', 2000, '2016-08-01', '10011', '16911'), ('72794',
'Cumi', 5, 'ons', 8000, '2016-08-01', '10009', '16906'), ('73528', 'Beras', 1500, 'gram', 77, '2016-08-06', '10008', '16911'), ('74541', 'Garam', 2000, 'gram', 50, '2
016-08-07', '10008', '16905'), ('73414', 'Gula', 800, 'gram', 50, '2016-08-15', '10008', '16905'), ('72131', 'Kopi', 750, 'gram', 37, '2016-08-15', '10008', '16905'), ('
75788', 'Ayam', 5, 'ekor', 25000, '2016-08-15', '10007', '16906'), ('77335', 'Alpukat', 8, 'buah', 8000, '2016-08-23', '10004', '16905'), ('76759', 'Apel', 5, 'buah',
5000, '2016-08-23', '10004', '16905'), ('79344', 'Bebek', 9, 'ekor', 35000, '2016-08-23', '10003', '16907'), ('78898', 'Bebek', 3, 'ekor', 35000, '2016-08-23', '10002',
'16907'), ('75689', 'Air', 1500, 'ml', 30, '2016-08-29', '10001', '16911'), ('72816', 'Kailan', 8, 'ikat', 10000, '2016-08-29', '10001', '16911'), ('78247', 'Keju', 500,
'gram', 40, '2016-09-01', '10001', '16905'), ('75437', 'Teh', 30, 'kantong', 1500, '2016-09-01', '10001', '16905'), ('78627', 'Tepung', 500, 'gram', 16, '2016-09-01',
'10009', '16906'), ('73460', 'Cumi', 5, 'ons', 8400, '2016-09-01', '10009', '16906'), ('79027', 'Gurame', 3, 'ekor', 15000, '2016-09-01', '10009', '16907'), ('71043',
'Tepung', 2000, 'gram', 8, '2016-09-02', '10008', '16905'), ('71838', 'Telur', 20, 'butir', 2000, '2016-09-02', '10001', '16905'), ('73138', 'Gurame', 10, 'ekor', 15000,
'2016-09-02', '10010', '16905'), ('77263', 'Apel', 10, 'buah', 5000, '2016-09-02', '10005', '16906'), ('74544', 'Gurame', 8, 'ekor', 15000, '2016-09-03', '10010', '1
6905');
Query OK, 39 rows affected (0.190 sec)
Records: 39 Duplicates: 0 Warnings: 0

```

20. Menampilkan Tabel KARYAWAN
SELECT * FROM KARYAWAN;

```
MariaDB [siresto]> SELECT * FROM KARYAWAN;
```

Id	Nama	TglLahir	No_KTP	Posisi
16901	Alan Nolan	1979-02-10	7867313192486378	manager
16902	Adi Stone	1981-07-06	3958957716354255	koki
16903	Benadict Goff	1989-01-07	5138557373336434	koki
16904	Benjamin Hadi	1990-06-11	8654380767277662	koki
16905	Cassandra Bishop	1987-07-06	9810599846936552	staff
16906	Charles Talley	1986-11-21	1742870859287685	staff
16907	Charles Walters	1992-05-24	6101796466188583	staff
16908	Curran Tradi	1981-06-22	2571924567963357	cashier
16909	Darrel Owen	1992-06-07	9045108692648731	koki
16910	Evan Fleming	1974-07-25	2188923777981912	cashier
16911	Fiona Moran	1977-07-27	9551219455894049	staff
16912	Hermione Ferguson	1971-05-10	6706949116938119	koki
16913	Hilary Bradley	1973-09-11	9732119515542017	koki

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

21. Menampilkan Tabel KOKI
SELECT * FROM KOKI;

```
C:\Windows\system32\cmd.exe - mysql -u root -p
MariaDB [siresto]> SELECT * FROM KOKI;
```

Id	Sertifikasi
16902	Pastry
16903	Fry
16904	Pastry
16909	Fry
16912	Grill
16913	Pantry

```
6 rows in set (0.014 sec)
```

22. Menampilkan tabel SUPPLIER
SELECT * FROM SUPPLIER;

```
MariaDB [siresto]> SELECT * FROM SUPPLIER;
```

Id	Nama	Telepon	Email
10001	Airawati Shop	087865764567	NULL
10002	Ali Sumihar Shop	087656434321	Alisumi@yahoo.com
10003	Bagas Aras Shop	081234565432	NULL
10004	Bertua Shop	081234567865	Bertuass@gmail.com
10005	Chintya Shop	081234567654	Chintya2@yahoo.com
10006	Dame Damanik Shop	081245768932	Dame.damanik@yahoo.com
10007	Dame Uli Shop	081234568211	Dameuli@gmail.com
10008	Emil Sutrisno Shop	082456784356	EmilSutrisno@yahoo.com
10009	Ifan Shop	087654567876	ifan@gmail.com
10010	Igun Ranaro Shop	085678415678	NULL
10011	Joni Shop	08765467876	Joni@gmail.com

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

23. Menampilkan tabel KATEGORI
SELECT * FROM KATEGORI;

```
MariaDB [siresto]> SELECT * FROM KATEGORI;
```

Id	Nama
33331	Makanan
33332	Minuman
33333	Cemilan
33334	Pencuci Mulut

```
4 rows in set (0.042 sec)
```

24. Menampilkan tabel MENU
SELECT * FROM MENU;

```
C:\Windows\system32\cmd.exe - mysql -u root -p
MariaDB [siresto]> SELECT * FROM MENU;
```

Nama	Harga	IdKategori
Air mineral	5000	33332
Ayam goreng tepung	30000	33331
Bebek goreng mentega	30000	33331
Bubur ayam	20000	33331
Cah kaillan	25000	33331
Cumi bakar	30000	33333
Cumi goreng	30000	33333
Es teh	3000	33332
Es teh manis	5000	33332
Gurame bakar	28000	33331
Gurame goreng asam manis	28000	33331
Jus alpukat	15000	33332
Jus apel	15000	33332
Kue keju	25000	33334
Kue tiramisu	30000	33334

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

25. Menampilkan tabel MENU_HARIAN

SELECT * FROM MENU_HARIAN;

C:\Windows\system32\cmd.exe - mysql -u root -p
MariaDB [siresto]> SELECT * FROM MENU_HARIAN;

NamaMenu	Tanggal	IdKok1	Jumlah
Air mineral	2016-07-04	16903	5
Air mineral	2016-07-04	16912	2
Air mineral	2016-09-05	16913	3
Ayam goreng tepung	2016-07-17	16909	8
Bebek goreng mentega	2016-07-17	16912	5
Bebek goreng mentega	2016-08-03	16904	8
Bebek goreng mentega	2016-08-09	16912	5
Bebek goreng mentega	2016-08-16	16903	3
Bebek goreng mentega	2016-08-28	16902	4
Bebek goreng mentega	2016-08-28	16903	3
Bebek goreng mentega	2016-08-28	16904	5
Bebek goreng mentega	2016-09-02	16902	4
Bebek goreng mentega	2016-09-04	16904	5
Bubur ayam	2016-08-02	16909	6
Bubur ayam	2016-08-07	16902	7
Bubur ayam	2016-08-14	16903	6
Bubur ayam	2016-08-21	16909	4
Bubur ayam	2016-08-23	16903	7
Bubur ayam	2016-08-29	16909	4
Bubur ayam	2016-09-02	16903	7
Cah kailan	2016-07-05	16902	3
Cah kailan	2016-07-10	16904	6
Cah kailan	2016-07-17	16904	3
Cah kailan	2016-08-22	16902	5
Cah kailan	2016-08-24	16904	2
Cah kailan	2016-08-28	16909	10
Cah kailan	2016-08-30	16902	5
Cah kailan	2016-09-02	16904	2
Cah kailan	2016-09-03	16909	10
Cumi bakar	2016-07-07	16912	7
Cumi goreng	2016-07-05	16902	2
Cumi goreng	2016-07-19	16902	6
Cumi goreng	2016-07-26	16904	10
Cumi goreng	2016-08-01	16904	9
Es teh	2016-07-05	16903	5
Es teh	2016-07-11	16904	10
Es teh	2016-07-20	16902	10
Es teh	2016-07-27	16902	5
Es teh	2016-08-07	16909	8
Es teh	2016-08-08	16904	1
Es teh	2016-08-08	16904	1
Es teh	2016-08-16	16904	8
Es teh	2016-08-22	16904	10
Es teh	2016-08-29	16904	8
Es teh	2016-09-01	16904	10
Es teh manis	2016-07-31	16913	5
Es teh manis	2016-08-07	16904	10
Es teh manis	2016-08-14	16913	8
Es teh manis	2016-08-28	16913	3
Gurame bakar	2016-08-01	16909	8
Gurame bakar	2016-08-07	16902	8
Gurame bakar	2016-08-07	16913	3
Gurame bakar	2016-08-22	16903	10
Gurame bakar	2016-08-23	16903	6
Gurame bakar	2016-08-29	16903	10
Gurame bakar	2016-08-31	16903	6
Gurame goreng asam manis	2016-07-10	16912	4
Gurame goreng asam manis	2016-07-12	16902	5
Jus alpukat	2016-07-06	16904	3
Jus alpukat	2016-07-12	16909	3
Jus alpukat	2016-07-13	16903	3
Jus alpukat	2016-07-26	16913	1
Jus apel	2016-08-15	16912	7
Kue keju	2016-07-10	16909	1
Kue keju	2016-07-18	16909	7
Kue keju	2016-07-24	16904	6
Kue keju	2016-07-25	16902	8
Kue keju	2016-07-26	16902	2
Kue keju	2016-07-26	16903	4
Kue keju	2016-08-01	16902	9
Kue tiramisu	2016-08-03	16902	8
Kue tiramisu	2016-08-14	16909	8
Kue tiramisu	2016-08-16	16902	10
Kue tiramisu	2016-08-28	16902	10

73 rows in set (0.001 sec)

26. Menampilkan tabel BAHAN_BAKU
SELECT * FROM BAHAN_BAKU;

```
C:\Windows\system32\cmd.exe - mysql -u root -p
MariaDB [siresto]> SELECT * FROM BAHAN_BAKU;
```

Nama	Stok	Satuan
Air	6000	ml
Alpukat	57	buah
Apel	36	buah
Ayam	30	ekor
Bawang putih	6	Siung
Bebek	26	ekor
Beras	1250	gram
Cumi	50	ons
Garam	5329	gram
Gula	3560	gram
Gurame	48	ekor
Kailan	67	ikat
Keju	2360	gram
Kopi	1948	gram
Teh	123	kantong
Telur	63	butir
Tepung	10000	gram

17 rows in set (0.001 sec)

27. Menampilkan tabel BAHAN_BAKU_MENU
SELECT * FROM BAHAN_BAKU_MENU;

```
C:\Windows\system32\cmd.exe - mysql -u root -p
MariaDB [siresto]> SELECT * FROM BAHAN_BAKU_MENU;
```

NamaMenu	NamaBahan	Jumlah	Satuan
Air mineral	Air	300	ml
Ayam goreng tepung	Ayam	1	ekor
Ayam goreng tepung	Garam	20	gram
Ayam goreng tepung	Tepung	100	gram
Bebek goreng mentega	Bebek	1	ekor
Bebek goreng mentega	Garam	25	gram
Bubur ayam	Ayam	1	ekor
Bubur ayam	Beras	200	gram
Cah kailan	Bawang putih	1	siung
Cah kailan	Garam	5	gram
Cah kailan	Kailan	1	ikat
Cumi bakar	Cumi	3	ons
Cumi goreng	Cumi	4	ons
Cumi goreng	Tepung	50	gram
Es teh	Air	400	ml
Es teh	Teh	1	kantong
Es teh manis	Air	400	ml
Es teh manis	Gula	5	gram
Es teh manis	Teh	1	kantong
Gurame bakar	Gurame	1	ekor
Gurame goreng asam manis	Gula	10	gram
Gurame goreng asam manis	Gurame	1	ekor
Jus alpukat	Air	100	ml
Jus alpukat	Alpukat	1	buah
Jus apel	Air	50	ml
Jus apel	Apel	2	buah
Kue keju	Keju	250	gram
Kue keju	Telur	3	buah
Kue tiramisu	Kopi	5	gram
Kue tiramisu	Telur	3	buah

30 rows in set (0.001 sec)

28. Menampilkan tabel PEMBELIAN_BAHAN_BAKU
SELECT * FROM PEMBELIAN_BAHAN_BAKU;

```
C:\Windows\system32\cmd.exe - mysql -u root -p
MariaDB [siresto]> SELECT * FROM PEMBELIAN_BAHAN_BAKU;
```

No	NamaBahan	Jumlah	Satuan	HargaSatuan	Waktu	IdSupplier	IdKaryawan
71043	Tepung	2000	gram	8	2016-09-02	10008	16905
71550	Kopi	500	gram	40	2016-07-25	10011	16907
71706	Teh	10	kantong	1500	2016-07-25	10011	16905
71838	Telur	20	butir	2000	2016-09-02	10001	16905
72131	Kopi	750	gram	37	2016-08-15	10008	16905
72634	Bawang putih	4	siung	10000	2016-07-08	10006	16906
72794	Cumi	5	ons	8000	2016-08-01	10009	16906
72816	Kailan	8	ikat	10000	2016-08-29	10001	16911
73001	Kopi	400	gram	43	2016-07-12	10001	16905
73138	Gurame	10	ekor	15000	2016-09-02	10010	16905
73142	Bebek	1	ekor	32000	2016-07-12	10002	16907
73414	Gula	800	gram	50	2016-08-15	10008	16905
73460	Cumi	5	ons	8400	2016-09-01	10009	16906
73528	Beras	1500	gram	77	2016-08-06	10008	16911
73576	Gula	1000	gram	50	2016-07-08	10008	16905
73584	Telur	7	butir	2000	2016-08-01	10011	16911
74233	Teh	15	kantong	1500	2016-07-08	10008	16905
74541	Garam	2000	gram	50	2016-08-07	10008	16905
74544	Gurame	8	ekor	15000	2016-09-03	10010	16905
75011	Kailan	10	ikat	3000	2016-07-08	10011	16906
75437	Teh	30	kantong	1500	2016-09-01	10001	16905
75689	Air	1500	ml	30	2016-08-29	10001	16911
75696	Teh	10	kantong	1500	2016-07-01	10008	16905
75788	Ayam	5	ekor	25000	2016-08-15	10007	16906
76759	Apel	5	buah	5000	2016-08-23	10004	16905
77263	Apel	10	buah	5000	2016-09-02	10005	16906
77335	Alpukat	8	buah	8000	2016-08-23	10004	16905
77429	Kailan	10	ikat	2900	2016-07-01	10011	16905
77651	Teh	6	kantong	1500	2016-08-01	10011	16905
78247	Keju	500	gram	40	2016-09-01	10001	16905
78302	Gurame	2	ekor	15000	2016-07-08	10009	16907
78452	Tepung	2500	gram	8	2016-07-01	10011	16905
78627	Tepung	500	gram	16	2016-09-01	10001	16905
78898	Bebek	3	ekor	35000	2016-08-23	10002	16907
79027	Gurame	3	ekor	15000	2016-09-01	10009	16907
79221	Garam	1000	gram	50	2016-07-08	10008	16911
79276	Ayam	7	ekor	25000	2016-07-12	10006	16905
79344	Bebek	9	ekor	35000	2016-08-23	10003	16907
79817	Alpukat	5	buah	8000	2016-07-12	10004	16906

39 rows in set (0.001 sec)

Tugas

1. Tampilkan nama karyawan dan nama bahan yang pernah dibeli oleh karyawan tersebut.

```
SELECT DISTINCT K.Nama AS Nama_Karyawan, BBM.NamaBahan AS Nama_Bahan FROM KARYAWAN K JOIN PEMBELIAN_BAHAN_BAKU PB ON K.Id = PB.IdKaryawan JOIN BAHAN_BAKU_MENU BBM ON PB.NamaBahan = BBM.NamaBahan;
```

```
MariaDB [siresto]> SELECT DISTINCT K.Nama AS Nama_Karyawan, BBM.NamaBahan AS Nama_Bahan FROM KARYAWAN K JOIN PEMBELIAN_BAHAN_BAKU PB ON K.Id = PB.IdKaryawan JOIN BAHAN_BAKU_MENU BBM ON PB.NamaBahan = BBM.NamaBahan;
```

Nama_Karyawan	Nama_Bahan
Cassandra Bishop	Tepung
Charles Walters	Kopi
Cassandra Bishop	Teh
Cassandra Bishop	Telur
Cassandra Bishop	Kopi
Charles Talley	Bawang putih
Charles Talley	Cumi
Fiona Moran	Kailan
Cassandra Bishop	Gurame
Charles Walters	Bebek
Cassandra Bishop	Gula
Fiona Moran	Beras
Fiona Moran	Telur
Cassandra Bishop	Garam
Charles Talley	Kailan
Fiona Moran	Air
Charles Talley	Ayam
Cassandra Bishop	Apel
Charles Talley	Apel
Cassandra Bishop	Alpukat
Cassandra Bishop	Kailan
Cassandra Bishop	Keju
Charles Walters	Gurame
Fiona Moran	Garam
Cassandra Bishop	Ayam
Charles Talley	Alpukat

26 rows in set (0.151 sec)

2. Tampilkan semua nama supplier beserta jumlah penghasilannya dari pembelian bahan baku.

```
SELECT S.Nama AS Nama_Supplier, SUM(PB.Jumlah * PB.HargaSatuan) AS Penghasilan FROM SUPPLIER S JOIN PEMBELIAN_BAHAN_BAKU PB ON S.Id = PB.IdSupplier GROUP BY S.Nama;
```

```
MariaDB [siresto]> SELECT S.Nama AS Nama_Supplier, SUM(PB.Jumlah * PB.HargaSatuan) AS Penghasilan FROM SUPPLIER S JOIN PEMBELIAN_BAHAN_BAKU PB ON S.Id = PB.IdSupplier GROUP BY S.Nama;
```

Nama_Supplier	Penghasilan
Airawati Shop	255200
Ali Sumihar Shop	137000
Bagas Aras Shop	315000
Bertua Shop	120000
Chintya Shop	50000
Dame Damanik Shop	215000
Dame Uli Shop	125000
Emil Sutrisno Shop	436750
Ifan Shop	157000
Igun Ranaro Shop	270000
Joni Shop	137000

11 rows in set (0.047 sec)

3. Tampilkan nama karyawan bukan koki yang belum pernah melakukan pembelian bahan baku.

```
SELECT K.Nama AS Nama_Karyawan FROM KARYAWAN K WHERE K.Posisi <> 'Koki' AND K.Id NOT IN (SELECT IdKaryawan FROM PEMBELIAN_BAHAN_BAKU);
```

```
MariaDB [siresto]> SELECT K.Nama AS Nama_Karyawan FROM KARYAWAN K WHERE K.Posisi <> 'Koki' AND K.Id NOT IN (SELECT IdKaryawan FROM PEMBELIAN_BAHAN_BAKU);
```

Nama_Karyawan
Alan Nolan
Curran Tradi
Evan Fleming

3 rows in set (0.114 sec)

4. Tampilkan nama koki yang pernah memasak menu “Bebek Goreng Mentega”.

```
SELECT KARYAWAN.Nama AS NamaKoki FROM KARYAWAN JOIN KOKI ON
KARYAWAN.Id = KOKI.Id JOIN MENU_HARIAN ON KOKI.Id = MENU_HARIAN.IdKoki
JOIN MENU ON MENU_HARIAN>NamaMenu = MENU>Nama WHERE MENU>Nama = 'Bebek
Goreng Mentega';
```

```
MariaDB [siresto]> SELECT KARYAWAN.Nama AS NamaKoki FROM KARYAWAN JOIN KOKI ON KARYAWAN.Id = KOKI.Id JOIN MENU_HARIAN ON KOKI.Id = MENU_HARIAN.IdKoki JOIN MENU ON MENU_HARIAN>NamaMenu = MENU>Nama WHERE MENU>Nama = 'Bebek Goreng Mentega';
+-----+
| NamaKoki |
+-----+
| Adi Stone |
| Adi Stone |
| Benadict Goff |
| Benadict Goff |
| Benjamin Hadi |
| Benjamin Hadi |
| Benjamin Hadi |
| Hermione Ferguson |
| Hermione Ferguson |
+-----+
9 rows in set (0.001 sec)
```

5. Tampilkan nama menu beserta kategorinya yang hanya pernah dibuat pada bulan Juli 2016.

```
SELECT M>Nama AS Nama_Menu, K>Nama AS Kategori_Menu FROM MENU_HARIAN MH
JOIN MENU M ON MH>NamaMenu = M>Nama JOIN KATEGORI K ON M.IdKategori = K.Id
WHERE MONTH(MH.Tanggal) = 7 AND YEAR(MH.Tanggal) = 2016;
```

```
MariaDB [siresto]> SELECT M>Nama AS Nama_Menu, K>Nama AS Kategori_Menu FROM MENU_HARIAN MH JOIN MENU M ON MH>NamaMenu = M>Nama JOIN KATEGORI K ON M.IdKategori = K.Id WHERE MONTH(MH.Tanggal) = 7 AND YEAR(MH.Tanggal) = 2016;
+-----+-----+
| Nama_Menu | Kategori_Menu |
+-----+-----+
| Ayam goreng tepung | Makanan |
| Bebek goreng mentega | Makanan |
| Cah kailan | Makanan |
| Cah kailan | Makanan |
| Cah kailan | Makanan |
| Gurame goreng asam manis | Makanan |
| Gurame goreng asam manis | Makanan |
| Air mineral | Minuman |
| Air mineral | Minuman |
| Es teh | Minuman |
| Es teh | Minuman |
| Es teh | Minuman |
| Es teh manis | Minuman |
| Jus alpukat | Minuman |
| Jus alpukat | Minuman |
| Jus alpukat | Minuman |
| Jus alpukat | Minuman |
| Cumi bakar | Cemilan |
| Cumi goreng | Cemilan |
| Cumi goreng | Cemilan |
| Cumi goreng | Cemilan |
| Kue keju | Pencuci Mulut |
| Kue keju | Pencuci Mulut |
| Kue keju | Pencuci Mulut |
| Kue keju | Pencuci Mulut |
| Kue keju | Pencuci Mulut |
+-----+-----+
28 rows in set (0.060 sec)
```

6. Tampilkan nama menu yang mengandung bahan baku “AIR” yang pernah dimasak oleh koki yang bernama “Hermione Ferguson”.

```
SELECT DISTINCT M>Nama FROM MENU M JOIN BAHAN_BAKU_MENU BBM ON
M>Nama = BBM>NamaMenu JOIN BAHAN_BAKU BB ON BBM>NamaBahan = BB>Nama
JOIN MENU_HARIAN MH ON M>Nama = MH>NamaMenu JOIN KARYAWAN K ON
MH.IdKoki = K.Id WHERE BB>Nama = 'AIR' AND K>Nama = 'Hermione Ferguson';
```

```
MariaDB [siresto]> SELECT DISTINCT M>Nama FROM MENU M JOIN BAHAN_BAKU_MENU BBM ON M>Nama = BBM>NamaMenu JOIN BAHAN_BAKU BB ON BBM>NamaBahan = BB>Nama JOIN MENU_HARIAN MH ON M>Nama = MH>NamaMenu JOIN KARYAWAN K ON MH.IdKoki = K.Id WHERE BB>Nama = 'AIR' AND K>Nama = 'Hermione Ferguson';
+-----+
| Nama |
+-----+
| Air mineral |
| Jus apel |
+-----+
2 rows in set (0.001 sec)
```

7. Tampilkan nama menu yang memerlukan bahan baku tepat 3 jenis.

```
SELECT M.Nama FROM MENU M JOIN BAHAN_BAKU_MENU BBM ON M.Nama =
BBM.NamaMenu GROUP BY M.Nama HAVING COUNT(DISTINCT BBM.NamaBahan) = 3;
```

```
MariaDB [siresto]> SELECT M.Nama FROM MENU M JOIN BAHAN_BAKU_MENU BBM ON M.Nama =
BBM.NamaMenu GROUP BY M.Nama HAVING COUNT(DISTINCT BBM.NamaBahan) = 3;
+-----+
| Nama |
+-----+
| Ayam goreng tepung |
| Cah kailan |
| Es teh manis |
+-----+
3 rows in set (0.060 sec)
```

8. Tampilkan nama, tanggal lahir, posisi dari karyawan yang No KTP nya berawalan “9”.

```
SELECT Nama, TglLahir, Posisi FROM KARYAWAN WHERE No_KTP LIKE '9%';
```

```
MariaDB [siresto]> SELECT Nama, TglLahir, Posisi FROM KARYAWAN WHERE No_KTP LIKE '9%';
+-----+-----+-----+
| Nama | TglLahir | Posisi |
+-----+-----+-----+
| Cassandra Bishop | 1987-07-06 | staff |
| Darrel Owen | 1992-06-07 | koki |
| Fiona Moran | 1977-07-27 | staff |
| Hilary Bradley | 1973-09-11 | koki |
+-----+-----+-----+
4 rows in set (0.051 sec)
```

9. Tampilkan nama supplier dan nomor telp nya yang pernah mensupply hanya 1 jenis bahan.

```
SELECT S.Nama, S.Telepon FROM SUPPLIER S JOIN PEMBELIAN_BAHAN_BAKU PB ON
S.Id = PB.IdSupplier GROUP BY S.Id, S.Nama, S.Telepon HAVING COUNT(DISTINCT
PB.NamaBahan) = 1;
```

```
MariaDB [siresto]> SELECT S.Nama, S.Telepon FROM SUPPLIER S JOIN PEMBELIAN_BAHAN_BAKU PB ON S.Id = PB.IdSupplier GROUP BY S.Id, S.Nama, S.Telepon HAVING COUNT(DISTINCT
PB.NamaBahan) = 1;
+-----+-----+
| Nama | Telepon |
+-----+-----+
| Ali Sumihan Shop | 087656434321 |
| Bagas Aras Shop | 081234565432 |
| Chintya Shop | 081234567654 |
| Dame Uli Shop | 081234568211 |
| Igun Ranaro Shop | 085678415678 |
+-----+-----+
5 rows in set (0.010 sec)
```

10. Tampilkan nama supplier yang tidak mempunyai email yang pernah mensupply Telur dan Tepung.
 SELECT S.Nama FROM SUPPLIER S LEFT JOIN PEMBELIAN_BAHAN_BAKU PB ON S.Id = PB.IdSupplier WHERE S.Email IS NULL AND S.Id NOT IN (SELECT DISTINCT PB.IdSupplier FROM PEMBELIAN_BAHAN_BAKU PB WHERE PB.NamaBahan IN ('Telur', 'Tepung')) GROUP BY S.Id, S.Nama;

```
MariaDB [siresto]> SELECT S.Nama FROM SUPPLIER S LEFT JOIN PEMBELIAN_BAHAN_BAKU PB ON S.Id = PB.IdSupplier WHERE S.Email IS NULL AND S.Id NOT IN (SELECT DISTINCT PB.IdSupplier FROM PEMBELIAN_BAHAN_BAKU PB WHERE PB.NamaBahan IN ('Telur', 'Tepung')) GROUP BY S.Id, S.Nama;
+-----+
| Nama |
+-----+
| Bagas Aras Shop |
| Igun Ranaro Shop |
+-----+
2 rows in set (0.121 sec)
```

11. Tampilkan total biaya yang harus dikeluarkan untuk membuat bubur ayam.

```
SELECT SUM(Jumlah * HargaSatuan) AS TotalBiaya FROM PEMBELIAN_BAHAN_BAKU
WHERE NamaBahan IN ('Ayam', 'Beras');
```

```
MariaDB [siresto]> SELECT SUM(Jumlah * HargaSatuan) AS TotalBiaya FROM PEMBELIAN_BAHAN_BAKU WHERE NamaBahan IN ('Ayam', 'Beras');
+-----+
| TotalBiaya |
+-----+
| 415500 |
+-----+
1 row in set (0.001 sec)
```

12. Tampilkan total harga terbesar pembelian bahan baku beserta nomor nota, nama bahan, dan nama suppliernya.

```
SELECT PEMBELIAN_BAHAN_BAKU.Nota, PEMBELIAN_BAHAN_BAKU>NamaBahan,
PEMBELIAN_BAHAN_BAKU.HargaSatuan * PEMBELIAN_BAHAN_BAKU.Jumlah AS
TotalHarga, SUPPLIER>Nama AS>NamaSupplier FROM PEMBELIAN_BAHAN_BAKU JOIN
SUPPLIER ON PEMBELIAN_BAHAN_BAKU.IdSupplier = SUPPLIER.Id ORDER BY
TotalHarga DESC LIMIT 1;
```

```
MariaDB [siresto]> SELECT PEMBELIAN_BAHAN_BAKU.Nota, PEMBELIAN_BAHAN_BAKU>NamaBahan, PEMBELIAN_BAHAN_BAKU.HargaSatuan * PEMBELIAN_BAHAN_BAKU.Jumlah AS TotalHarga, SUPPLIER>Nama AS>NamaSupplier FROM PEMBELIAN_BAHAN_BAKU JOIN SUPPLIER ON PEMBELIAN_BAHAN_BAKU.IdSupplier = SUPPLIER.Id ORDER BY TotalHarga DESC LIMIT 1;
+-----+-----+-----+-----+
| Nota |>NamaBahan | TotalHarga |>NamaSupplier |
+-----+-----+-----+-----+
| 79344 | Bebek | 315000 | Bagas Anas Shop |
+-----+-----+-----+-----+
1 row in set (0.001 sec)
```

13. Tampilkan nama koki yang memasak lebih dari 1 menu di hari yang sama terurut berdasarkan abjad.
SELECT KARYAWAN>Nama AS>NamaKoki FROM KARYAWAN JOIN KOKI ON
KARYAWAN.Id = KOKI.Id JOIN MENU_HARIAN ON KOKI.Id = MENU_HARIAN.IdKoki
GROUP BY KARYAWAN>Nama HAVING COUNT(DISTINCT MENU_HARIAN>NamaMenu) >
1 ORDER BY>NamaKoki ASC;

```
MariaDB [siresto]> SELECT KARYAWAN>Nama AS>NamaKoki FROM KARYAWAN JOIN KOKI ON KARYAWAN.Id = KOKI.Id JOIN MENU_HARIAN ON KOKI.Id = MENU_HARIAN.IdKoki GROUP BY KARYAWAN>Nama HAVING COUNT(DISTINCT MENU_HARIAN>NamaMenu) > 1 ORDER BY>NamaKoki ASC;
+-----+
|>NamaKoki |
+-----+
| Adi Stone |
| Benadict Goff |
| Benjamin Hadi |
| Darrel Owen |
| Hermione Ferguson |
| Hilary Bradley |
+-----+
6 rows in set (0.006 sec)
```

14. Tampilkan nama kategori beserta jumlah jenis menu yang termasuk kategorinya.

```
SELECT KATEGORI>Nama AS>NamaKategori, COUNT(MENU.IdKategori) AS>JumlahMenu
FROM KATEGORI LEFT JOIN MENU ON KATEGORI.Id = MENU.IdKategori GROUP BY
KATEGORI>Nama;
```

```
MariaDB [siresto]> SELECT KATEGORI>Nama AS>NamaKategori, COUNT(MENU.IdKategori) AS>JumlahMenu FROM KATEGORI LEFT JOIN MENU ON KATEGORI.Id = MENU.IdKategori GROUP BY KATEGORI>Nama;
+-----+-----+
|>NamaKategori | JumlahMenu |
+-----+-----+
| Cemilan | 2 |
| Makanan | 6 |
| Minuman | 5 |
| Pencuci Mulut | 2 |
+-----+-----+
4 rows in set (0.001 sec)
```

15. Tampilkan nama supplier yang tidak mempunyai email dan yang melayani pembelian bahan baku tepat 1 kali.

```
SELECT SUPPLIER>Nama AS>NamaSupplier FROM SUPPLIER LEFT JOIN  
PEMBELIAN_BAHAN_BAKU ON SUPPLIER.Id =  
PEMBELIAN_BAHAN_BAKU.IdSupplier GROUP BY SUPPLIER.Id, SUPPLIER>Nama  
HAVING COUNT(PEMBELIAN_BAHAN_BAKU.Nota) = 1 AND SUPPLIER.Id IN  
(SELECT PEMBELIAN_BAHAN_BAKU.IdSupplier FROM PEMBELIAN_BAHAN_BAKU  
GROUP BY PEMBELIAN_BAHAN_BAKU.IdSupplier) AND SUPPLIER.Id NOT IN  
(SELECT PEMBELIAN_BAHAN_BAKU.IdSupplier FROM PEMBELIAN_BAHAN_BAKU  
GROUP BY PEMBELIAN_BAHAN_BAKU.IdSupplier HAVING  
COUNT(PEMBELIAN_BAHAN_BAKU.Nota) > 1);
```

```
MariaDB [siresto]> SELECT SUPPLIER>Nama AS>NamaSupplier FROM SUPPLIER LEFT JOIN PEMBELIAN_BAHAN_BAKU ON SUPPLIER.Id = PEMBELIAN_BAHAN_BAKU.IdSupplier GROUP BY SUPPLIER.  
Id, SUPPLIER>Nama HAVING COUNT(PEMBELIAN_BAHAN_BAKU.Nota) = 1 AND SUPPLIER.Id IN (SELECT PEMBELIAN_BAHAN_BAKU.IdSupplier FROM PEMBELIAN_BAHAN_BAKU GROUP BY PEMBELIAN_BA  
HAN_BAKU.IdSupplier) AND SUPPLIER.Id NOT IN (SELECT PEMBELIAN_BAHAN_BAKU.IdSupplier FROM PEMBELIAN_BAHAN_BAKU GROUP BY PEMBELIAN_BAHAN_BAKU.IdSupplier HAVING COUNT(PEMB  
ELIAN_BAHAN_BAKU.Nota) > 1);  
+-----+  
|>NamaSupplier|  
+-----+  
| Bagas Aras Shop |  
| Chintya Shop |  
| Dame Uli Shop |  
+-----+  
3 rows in set (0.065 sec)
```