

```
1: MariaDB [(none)]> create database uts2_emry
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-> ;
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Query OK, 1 row affected (0.004 sec)
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```
MariaDB [(none)]> show databases;
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+-----+
| Database      |
+-----+
| information_schema |
| latihan1       |
| mysql         |
| performance_schema |
| phpmyadmin     |
| program       |
| test          |
| uts2_emry     |
| uts_emry      |
+-----+
```

2: MariaDB [uts2_emry]> create table pelanggan

-> (Id_pelanggan varchar(5) PRIMARY KEY,

-> J_K varchar (1),

-> Nm_Pelanggan varchar(30),

-> Alamat Text(30),

-> Telepon Varchar(15),

-> email varchar(50))

-> ;

Query OK, 0 rows affected (0.030 sec)

MariaDB [uts2_emry]> desc Pelanggan;

Field	Type	Null	Key	Default	Extra
Id_pelanggan	varchar(5)	NO	PRI	NULL	
J_K	varchar(1)	YES		NULL	
Nm_Pelanggan	varchar(30)	YES		NULL	
Alamat	tinytext	YES		NULL	
Telepon	varchar(15)	YES		NULL	
email	varchar(50)	YES		NULL	

3 : MariaDB [uts2_emry]> insert into Pelanggan

-> (Id_Pelanggan , Nm_Pelanggan , J_K, Alamat, Telepon, email)

-> values

-> ("P0001" , "Achmad Solichin", "L", "Jakarta Selatan", "0217327762", "Achmatim@gmail.com"),

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-> ("P0002" ,"Agus Rahman","L", "Tangerang","0217323234","Agus20@yahoo.com"),
-> ("P0003" ,"Doni Damara","L", "Jakarta Selatan","0214394379","damara@yahoo.com"),
-> ("P0004" ,"Reni Arianti","P", "Jakarta Barat","0215432567","renren@yahoo.co.id"),
-> ("P0005" ,"Dewi Aminah","P", "Jawa Barat","0314584883","aminahhoke@plasa.com"),
-> ("P0006" ,"Chotimatul","L", "Jakarta Utara","0216789905","Fixiz@yahoo.co.id")

-> ;

```

Query OK, 6 rows affected (0.008 sec)

Records: 6 Duplicates: 0 Warnings: 0

MariaDB [uts2_emry]> select*from Pelanggan;

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+-----+-----+-----+-----+-----+-----+
| Id_pelanggan | J_K | Nm_Pelanggan | Alamat | Telepon | email |
+-----+-----+-----+-----+-----+-----+
| P0001 | L | Achmad Solichin | Jakarta Selatan | 0217327762 | Achmatim@gmail.com |
| P0002 | L | Agus Rahman | Tangerang | 0217323234 | Agus20@yahoo.com |
| P0003 | L | Doni Damara | Jakarta Selatan | 0214394379 | damara@yahoo.com |
| P0004 | P | Reni Arianti | Jakarta Barat | 0215432567 | renren@yahoo.co.id |
| P0005 | P | Dewi Aminah | Jawa Barat | 0314584883 | aminahhoke@plasa.com |
| P0006 | L | Chotimatul | Jakarta Utara | 0216789905 | Fixiz@yahoo.co.id |
+-----+-----+-----+-----+-----+-----+

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4: MariaDB [uts2_emry]> select*from Pelanggan

-> order by email;

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+-----+-----+-----+-----+-----+-----+
| Id_pelanggan | J_K | Nm_Pelanggan | Alamat      | Telepon | email          |
+-----+-----+-----+-----+-----+-----+
| P0001        | L   | Achmad Solichin | Jakarta Selatan | 0217327762 | Achmatim@gmail.com |
| P0002        | L   | Agus Rahman    | Tangerang      | 0217323234 | Agus20@yahoo.com   |
| P0005        | P   | Dewi Aminah    | Jawa Barat     | 0314584883 | aminahhoke@plasa.com |
| P0003        | L   | Doni Damara    | Jakarta Selatan | 0214394379 | damara@yahoo.com   |
| P0006        | L   | Chotimatul     | Jakarta Utara   | 0216789905 | Fixiz@yahoo.co.id  |
| P0004        | P   | Reni Arianti   | Jakarta Barat  | 0215432567 | renren@yahoo.co.id |
+-----+-----+-----+-----+-----+-----+
```

5: MariaDB [uts2_emry]> select Id_pelanggan, Nm_Pelanggan, Alamat from Pelanggan

-> order by Nm_Pelanggan DESC;

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+-----+-----+-----+
| Id_pelanggan | Nm_Pelanggan | Alamat      |
+-----+-----+-----+
| P0004        | Reni Arianti  | Jakarta Barat |
| P0003        | Doni Damara   | Jakarta Selatan |
| P0005        | Dewi Aminah   | Jawa Barat    |
| P0006        | Chotimatul    | Jakarta Utara  |
| P0002        | Agus Rahman   | Tangerang     |
| P0001        | Achmad Solichin | Jakarta Selatan |
+-----+-----+-----+
```

6: MariaDB [uts2_emry]> alter table Pelanggan

-> ADD tgl_lahir varchar(20);

MariaDB [uts2_emry]> update Pelanggan

-> set tgl_lahir="1977-03-21"

-> where Id_pelanggan="P0001";

Query OK, 1 row affected (0.005 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [uts2_emry]> update Pelanggan

-> set tgl_lahir="1971-11-12"

-> where Id_pelanggan="P0002";

Query OK, 1 row affected (0.007 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [uts2_emry]> update Pelanggan

-> set tgl_lahir="1974-06-09"

-> where Id_pelanggan="P0003";

Query OK, 1 row affected (0.005 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [uts2_emry]> update Pelanggan

-> set tgl_lahir="1975-08-10"

-> where Id_pelanggan="P0004";

Query OK, 1 row affected (0.005 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [uts2_emry]>

MariaDB [uts2_emry]> update Pelanggan

-> set tgl_lahir="1978-08-12"

-> where Id_pelanggan="P0005";

Query OK, 1 row affected (0.006 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [uts2_emry]> update Pelanggan

-> set tgl_lahir="1972-02-02"

-> where Id_pelanggan="P0006";

Query OK, 1 row affected (0.006 sec)

Rows matched: 1 Changed: 1 Warnings: 0

7: MariaDB [uts2_emry]> update Pelanggan set Nm_Pelanggan ="Agus Sembiring"

-> where Id_pelanggan="P0002";

Query OK, 1 row affected (0.006 sec)

Rows matched: 1 Changed: 1 Warnings: 0

ariaDB [uts2_emry]> select*from Pelanggan ;

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+-----+-----+-----+-----+-----+-----+-----+
| Id_pelanggan | J_K | Nm_Pelanggan | Alamat      | Telepon  | email          | tgl_lahir |
+-----+-----+-----+-----+-----+-----+-----+
| P0001       | L   | Achmad Solichin | Jakarta Selatan | 0217327762 | Achmatim@gmail.com | 1977-03-21 |
| P0002       | L   | Agus Sembiring  | Tangerang      | 0217323234 | Agus20@yahoo.com   | 1971-11-12 |
```

| P0003 | L | Doni Damara | Jakarta Selatan | 0214394379 | damara@yahoo.com | 1974-06-09 |

| P0004 | P | Reni Arianti | Jakarta Barat | 0215432567 | renren@yahoo.co.id | 1975-08-10 |

| P0005 | P | Dewi Aminah | Jawa Barat | 0314584883 | aminahhoke@plasa.com | 1978-08-12 |

| P0006 | L | Chotimatul | Jakarta Utara | 0216789905 | Fixiz@yahoo.co.id | 1972-02-02 |

8: MariaDB [uts2_emry]> alter table Pelanggan

-> change Nm_Pelanggan Nama varchar(30);

Query OK, 0 rows affected (0.037 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [uts2_emry]> desc Pelanggan;

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+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Id_pelanggan | varchar(5) | NO   | PRI | NULL    |      |
| J_K         | varchar(1) | YES  |     | NULL    |      |
| Nama        | varchar(30) | YES  |     | NULL    |      |
| Alamat      | tinytext   | YES  |     | NULL    |      |
| Telepon     | varchar(15) | YES  |     | NULL    |      |
| email       | varchar(50) | YES  |     | NULL    |      |
| tgl_lahir   | varchar(20) | YES  |     | NULL    |      |
+-----+-----+-----+-----+-----+-----+
```

9: MariaDB [uts2_emry]> select *from Pelanggan

-> where tgl_lahir >= "1971-02-01"

-> and tgl_lahir <= "1974-11-30";

Id_pelanggan	J_K	Nama	Alamat	Telepon	email	tgl_lahir	
P0002	L	Agus Sembiring	Tangerang	0217323234	Agus20@yahoo.com	1971-11-12	
P0003	L	Doni Damara	Jakarta Selatan	0214394379	damara@yahoo.com	1974-06-09	
P0006	L	Chotimatul	Jakarta Utara	0216789905	Fixiz@yahoo.co.id	1972-02-02	

10 : MariaDB [uts2_emry]> select *from Pelanggan

-> where tgl_lahir >= "1973-12-31";

Id_pelanggan	J_K	Nama	Alamat	Telepon	email	tgl_lahir	
P0001	L	Achmad Solichin	Jakarta Selatan	0217327762	Achmatim@gmail.com	1977-03-21	
P0003	L	Doni Damara	Jakarta Selatan	0214394379	damara@yahoo.com	1974-06-09	
P0004	P	Reni Arianti	Jakarta Barat	0215432567	renren@yahoo.co.id	1975-08-10	
P0005	P	Dewi Aminah	Jawa Barat	0314584883	aminahhoke@plasa.com	1978-08-12	

11 : MariaDB [uts2_emry]> select *from Pelanggan

-> where tgl_lahir >= "1973-12-31"

-> and J_K="P";

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+-----+-----+-----+-----+-----+-----+
| Id_pelanggan | J_K | Nama      | Alamat    | Telepon   | email      | tgl_lahir |
+-----+-----+-----+-----+-----+-----+
| P0004        | P   | Reni Arianti | Jakarta Barat | 0215432567 | renren@yahoo.co.id | 1975-08-10 |
| P0005        | P   | Dewi Aminah  | Jawa Barat   | 0314584883 | aminahhoke@plasa.com | 1978-08-12 |
|
```

12 : MariaDB [uts2_emry]> select * from Pelanggan

-> order by Nama , tgl_lahir;

```
+-----+-----+-----+-----+-----+-----+
| Id_pelanggan | J_K | Nama      | Alamat    | Telepon   | email      | tgl_lahir |
+-----+-----+-----+-----+-----+-----+
| P0001        | L   | Achmad Solichin | Jakarta Selatan | 0217327762 | Achmatim@gmail.com | 1971-03-21 |
| P0002        | L   | Agus Sembiring | Tangerang    | 0217323234 | Agus20@yahoo.com    | 1972-11-12 |
| P0006        | L   | Chotimatul    | Jakarta Utara | 0216789905 | Fixiz@yahoo.co.id   | 1974-02-02 |
| P0005        | P   | Dewi Aminah    | Jawa Barat   | 0314584883 | aminahhoke@plasa.com | 1975-08-12 |
| P0003        | L   | Doni Damara    | Jakarta Selatan | 0214394379 | damara@yahoo.com    | 1977-06-09 |
| P0004        | P   | Reni Arianti   | Jakarta Barat | 0215432567 | renren@yahoo.co.id   | 1978-08-10 |
+-----+-----+-----+-----+-----+-----+
```

13 : MariaDB [uts2_emry]> select *from Pelanggan

-> where Id_Pelanggan="P0004";

Id_pelanggan	J_K	Nama	Alamat	Telepon	email	tgl_lahir
P0004	P	Reni Arianti	Jakarta Barat	0215432567	renren@yahoo.co.id	1975-08-10

14: MariaDB [uts2_emry]> select *from Pelanggan

-> where Alamat="Jakarta Selatan"

-> and J_K="L";

Id_pelanggan	J_K	Nama	Alamat	Telepon	email	tgl_lahir
P0001	L	Achmad Solichin	Jakarta Selatan	0217327762	Achmatim@gmail.com	1977-03-21
P0003	L	Doni Damara	Jakarta Selatan	0214394379	damara@yahoo.com	1974-06-09

15 : MariaDB [uts2_emry]> select Nama, J_K, Telepon

-> from Pelanggan

-> order by Nama;

+-----+-----+

| Nama | J_K | Telepon |

+-----+-----+

| Achmad Solichin | L | 0217327762 |

| Agus Sembiring | L | 0217323234 |

| Chotimatul | L | 0216789905 |

| Dewi Aminah | P | 0314584883 |

| Doni Damara | L | 0214394379 |

| Reni Arianti | P | 0215432567 |

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16 : MariaDB [uts2_emry]> alter table Pelanggan

-> rename Konsumen;

Query OK, 0 rows affected (0.035 sec)

MariaDB [uts2_emry]> show tables;

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| Tables_in_uts2_emry |

+-----+

| konsumen |

+-----+