

FUNDAMENTAL DBMS  
ACTIVITY PERTEMUAN 4  
(MySQL SELECT I)  
LEMBAR JAWABAN

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1. Buatlah sebuah table dengan nama “pasien” dan field sebagai berikut : (10 point)

```
MariaDB [pasien]> CREATE TABLE pasien (No_pasien Varchar(15) NOT NULL PRIMARY KEY,  
-> Nama VARCHAR(15),  
-> No_kamar VARCHAR(20),  
-> Usia VARCHAR(12),  
-> Tgl_lahir VARCHAR(12));  
Query OK, 0 rows affected (0.024 sec)  
  
MariaDB [pasien]> desc pasien;  
+-----+-----+-----+-----+-----+-----+  
| Field      | Type      | Null | Key | Default | Extra |  
+-----+-----+-----+-----+-----+-----+  
| No_pasien  | varchar(15) | NO   | PRI | NULL    |       |  
| Nama       | varchar(15) | YES  |     | NULL    |       |  
| No_kamar   | varchar(20) | YES  |     | NULL    |       |  
| Usia       | varchar(12) | YES  |     | NULL    |       |  
| Tgl_lahir  | varchar(12) | YES  |     | NULL    |       |  
+-----+-----+-----+-----+-----+-----+  
5 rows in set (0.023 sec)
```

2. Ubah tipe data “tgl\_lahir” dari varchar menjadi date. (10 point)

```
MariaDB [pasien]> ALTER TABLE pasien MODIFY COLUMN Tgl_lahir DATE;  
Query OK, 0 rows affected (0.154 sec)  
Records: 0 Duplicates: 0 Warnings: 0  
  
MariaDB [pasien]> desc pasien;  
+-----+-----+-----+-----+-----+-----+  
| Field      | Type      | Null | Key | Default | Extra |  
+-----+-----+-----+-----+-----+-----+  
| No_pasien  | varchar(15) | NO   | PRI | NULL    |       |  
| Nama       | varchar(15) | YES  |     | NULL    |       |  
| No_kamar   | varchar(20) | YES  |     | NULL    |       |  
| Usia       | varchar(12) | YES  |     | NULL    |       |  
| Tgl_lahir  | date       | YES  |     | NULL    |       |  
+-----+-----+-----+-----+-----+-----+  
5 rows in set (0.013 sec)
```

3. Hapus primary key pada no\_pasien. (10 point)

```
MariaDB [pasien]> ALTER TABLE pasien DROP PRIMARY KEY;  
Query OK, 0 rows affected (0.157 sec)  
Records: 0 Duplicates: 0 Warnings: 0  
  
MariaDB [pasien]> desc pasien;  
+-----+-----+-----+-----+-----+-----+  
| Field      | Type      | Null | Key | Default | Extra |  
+-----+-----+-----+-----+-----+-----+  
| No_pasien  | varchar(15) | NO   |     | NULL    |       |  
| Nama       | varchar(15) | YES  |     | NULL    |       |  
| No_kamar   | varchar(20) | YES  |     | NULL    |       |  
| Usia       | varchar(12) | YES  |     | NULL    |       |  
| Tgl_lahir  | date       | YES  |     | NULL    |       |  
+-----+-----+-----+-----+-----+-----+  
5 rows in set (0.013 sec)
```

4. Tambahkan record pada tabel pasien sebagai berikut : (10 point)

```
MariaDB [pasien]> INSERT INTO pasien VALUES ('123','Ridho','12','20','12/1/1992'),  
-> ('125','Sania','13','21','13/1/1991'),  
-> ('126','Zaki','12','20','14/1/1991'),  
-> ('127','Mulyadi','12','19','16/1/1991'),  
-> ('128','Ruth','15','20','17/1/1991');  
Query OK, 5 rows affected, 5 warnings (0.021 sec)  
Records: 5 Duplicates: 0 Warnings: 5  
  
MariaDB [pasien]> INSERT INTO pasien VALUES ('321','Akbar','12','20','12/1/1999');  
Query OK, 1 row affected, 1 warning (0.005 sec)  
  
MariaDB [pasien]> SELECT * FROM pasien;  
+-----+-----+-----+-----+-----+  
| No_pasien | Nama    | No_kamar | Usia | Tgl_lahir |  
+-----+-----+-----+-----+-----+  
| 123      | Ridho   | 12       | 20   | 0000-00-00 |  
| 125      | Sania   | 13       | 21   | 0000-00-00 |  
| 126      | Zaki    | 12       | 20   | 0000-00-00 |  
| 127      | Mulyadi | 12       | 19   | 0000-00-00 |  
| 128      | Ruth    | 15       | 20   | 0000-00-00 |  
| 321      | Akbar   | 12       | 20   | 0000-00-00 |  
+-----+-----+-----+-----+-----+  
6 rows in set (0.002 sec)
```

5. Tampilkan seluruh record yang memiliki no\_kamar 12 atau 15. (10 point)

```
MariaDB [pasien]> SELECT * from pasien WHERE No_kamar = '12' OR No_kamar ='15';
+-----+-----+-----+-----+-----+
| No_pasien | Nama      | No_kamar | Usia | Tgl_lahir |
+-----+-----+-----+-----+-----+
| 123       | Ridho     | 12       | 20   | 0000-00-00 |
| 126       | Zaki      | 12       | 20   | 0000-00-00 |
| 127       | Mulyadi   | 12       | 19   | 0000-00-00 |
| 128       | Ruth      | 15       | 20   | 0000-00-00 |
| 321       | Akbar     | 12       | 20   | 0000-00-00 |
+-----+-----+-----+-----+-----+
5 rows in set (0.007 sec)
```

6. Tambahkan record baru dengan isi record sebagai berikut : (10 point)

```
MariaDB [pasien]> INSERT INTO pasien VALUES ('129','Rian','15','17','18/10/1993');
Query OK, 1 row affected, 1 warning (0.006 sec)

MariaDB [pasien]> SELECT * FROM pasien;
+-----+-----+-----+-----+-----+
| No_pasien | Nama      | No_kamar | Usia | Tgl_lahir |
+-----+-----+-----+-----+-----+
| 123       | Ridho     | 12       | 20   | 0000-00-00 |
| 125       | Sania     | 13       | 21   | 0000-00-00 |
| 126       | Zaki      | 12       | 20   | 0000-00-00 |
| 127       | Mulyadi   | 12       | 19   | 0000-00-00 |
| 128       | Ruth      | 15       | 20   | 0000-00-00 |
| 321       | Akbar     | 12       | 20   | 0000-00-00 |
| 129       | Rian      | 15       | 17   | 0000-00-00 |
+-----+-----+-----+-----+-----+
7 rows in set (0.001 sec)
```

7. Tampilkan record No\_pasien, Nama, dan No\_kamar yang memiliki nama berakhiran huruf “i”. (10 point)

```
MariaDB [pasien]> SELECT No_pasien, Nama, Usia FROM pasien WHERE Nama LIKE '%i';
+-----+-----+-----+
| No_pasien | Nama      | Usia |
+-----+-----+-----+
| 126       | Zaki      | 20   |
| 127       | Mulyadi   | 19   |
+-----+-----+-----+
2 rows in set (0.004 sec)
```

8. Tampilkan record No\_pasien, Nama, dan usia yang memiliki nama dengan mengandung huruf “u”. (10 point)

```
MariaDB [pasien]> SELECT No_pasien, Nama, Usia FROM pasien WHERE Nama LIKE '%u%';
+-----+-----+-----+
| No_pasien | Nama      | Usia |
+-----+-----+-----+
| 127       | Mulyadi   | 19   |
| 128       | Ruth      | 20   |
+-----+-----+-----+
2 rows in set (0.001 sec)
```

9. Tampilkan seluruh record tabel pasien dimana umur lebih kecil atau sama dengan 20. (10 point)

```
MariaDB [pasien]> SELECT * from pasien WHERE Usia <= '20';
+-----+-----+-----+-----+-----+
| No_pasien | Nama      | No_kamar | Usia | Tgl_lahir |
+-----+-----+-----+-----+-----+
| 123       | Ridho     | 12       | 20   | 0000-00-00 |
| 126       | Zaki      | 12       | 20   | 0000-00-00 |
| 127       | Mulyadi   | 12       | 19   | 0000-00-00 |
| 128       | Ruth      | 15       | 20   | 0000-00-00 |
| 321       | Akbar     | 12       | 20   | 0000-00-00 |
| 129       | Rian      | 15       | 17   | 0000-00-00 |
+-----+-----+-----+-----+-----+
6 rows in set (0.001 sec)
```

10. Tampilkan seluruh record tetapi tidak memiliki nama Ruth. (10 point)

```
MariaDB [pasien]> SELECT * from pasien WHERE NOT Nama='Ruth';
+-----+-----+-----+-----+-----+
| No_pasien | Nama      | No_kamar | Usia | Tgl_lahir |
+-----+-----+-----+-----+-----+
| 123       | Ridho     | 12       | 20   | 0000-00-00 |
| 125       | Sania     | 13       | 21   | 0000-00-00 |
| 126       | Zaki      | 12       | 20   | 0000-00-00 |
| 127       | Mulyadi   | 12       | 19   | 0000-00-00 |
| 321       | Akbar     | 12       | 20   | 0000-00-00 |
| 129       | Rian      | 15       | 17   | 0000-00-00 |
+-----+-----+-----+-----+-----+
6 rows in set (0.003 sec)
```

FULL SCREENSHOT

```
Prompt Perintah - mysql -u root
Microsoft Windows [Version 10.0.22000.613]
(c) Microsoft Corporation. All rights reserved.

C:\Users\hp>cd C:\xampp\mysql\bin

C:\xampp\mysql\bin>mysql -u root
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 9
Server version: 10.4.24-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> create database pasien;
Query OK, 1 row affected (0.008 sec)

MariaDB [(none)]> show databases;
+-----+
| Database |
+-----+
| akademik |
| bank_50421119 |
| information_schema |
| mysql |
| pasien |
| performance_schema |
| phpmyadmin |
| test |
+-----+
8 rows in set (0.034 sec)

MariaDB [(none)]> use pasien;
Database changed
MariaDB [pasien]> create table pasien (
  -> no_pasien VARCHAR(15) PRIMARY KEY,
  -> nama VARCHAR(15),
  -> no_kamar VARCHAR(20),
  -> usia VARCHAR(12),
  -> tgl_lahir VARCHAR(12));
ERROR 1005 (HY000): Can't create table 'pasien`.`pasien` (errno: 121 "Duplicate key on write or update")
MariaDB [pasien]> CREATE TABLE pasien (No_pasien Varchar(15) NOT NULL PRIMARY KEY,
  -> Nama VARCHAR(15),
  -> No_kamar VARCHAR(20),
  -> Usia VARCHAR(12),
  -> Tgl_lahir VARCHAR(12));
Query OK, 0 rows affected (0.024 sec)

MariaDB [pasien]> desc pasien;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| No_pasien | varchar(15) | NO | PRI | NULL | |
| Nama | varchar(15) | YES | | NULL | |
| No_kamar | varchar(20) | YES | | NULL | |
| Usia | varchar(12) | YES | | NULL | |
| Tgl_lahir | varchar(12) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.023 sec)

MariaDB [pasien]> ALTER TABLE pasien MODIFY COLUMN Tgl_lahir DATE;
Query OK, 0 rows affected (0.154 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [pasien]> desc pasien;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| No_pasien | varchar(15) | NO | PRI | NULL | |
| Nama | varchar(15) | YES | | NULL | |
| No_kamar | varchar(20) | YES | | NULL | |
| Usia | varchar(12) | YES | | NULL | |
| Tgl_lahir | date | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.013 sec)

MariaDB [pasien]> ALTER TABLE pasien DROP PRIMARY KEY;
Query OK, 0 rows affected (0.157 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [pasien]> desc pasien;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| No_pasien | varchar(15) | NO | | NULL | |
| Nama | varchar(15) | YES | | NULL | |
| No_kamar | varchar(20) | YES | | NULL | |
| Usia | varchar(12) | YES | | NULL | |
| Tgl_lahir | date | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.013 sec)

MariaDB [pasien]> INSERT INTO pasien VALUES ('123','Ridho','12','20','12/1/1992'),
  -> ('125','Sania','13','21','13/1/1991'),
  -> ('126','Zaki','12','20','14/1/1991'),
  -> ('127','Mulyadi','12','19','16/1/1991'),
  -> ('128','Ruth','15','20','17/1/1991');
Query OK, 5 rows affected, 5 warnings (0.021 sec)
Records: 5 Duplicates: 0 Warnings: 5

MariaDB [pasien]> INSERT INTO pasien VALUES ('321','Akbar','12','20','12/1/1999');
Query OK, 1 row affected, 1 warning (0.005 sec)

MariaDB [pasien]> SELECT * FROM pasien;
+-----+-----+-----+-----+-----+
| No_pasien | Nama | No_kamar | Usia | Tgl_lahir |
+-----+-----+-----+-----+-----+
| 123 | Ridho | 12 | 20 | 0000-00-00 |
| 125 | Sania | 13 | 21 | 0000-00-00 |
| 126 | Zaki | 12 | 20 | 0000-00-00 |
| 127 | Mulyadi | 12 | 19 | 0000-00-00 |
| 128 | Ruth | 15 | 20 | 0000-00-00 |
| 321 | Akbar | 12 | 20 | 0000-00-00 |
+-----+-----+-----+-----+-----+
6 rows in set (0.002 sec)

MariaDB [pasien]> SELECT * from pasien WHERE No_kamar = '12' OR No_kamar = '15';
+-----+-----+-----+-----+-----+
| No_pasien | Nama | No_kamar | Usia | Tgl_lahir |
+-----+-----+-----+-----+-----+
| 123 | Ridho | 12 | 20 | 0000-00-00 |
| 126 | Zaki | 12 | 20 | 0000-00-00 |
| 127 | Mulyadi | 12 | 19 | 0000-00-00 |
| 128 | Ruth | 15 | 20 | 0000-00-00 |
| 321 | Akbar | 12 | 20 | 0000-00-00 |
+-----+-----+-----+-----+-----+
5 rows in set (0.007 sec)
```

