Tugas 1 Praktikum Sistem Basis Data

Mahasiswa

NPM	Nama	Alamat
201143500439	Andi	Jakarta
201143500121	Desi	Bekasi
201143500234	Endah	Depok
201143500165	firdaus	Jakarta
201143500228	Gandi	Depok
201143500326	Hilda	Bogor

Matakuliah

KD_WK	Nama_MK	SKS
KK021	Sistem Basis Data	2

KD132	Interaksi Manusia Komputer	3
K0155	Ilmu Budaya Dasar	2

Nilai

MICUI			
NPM	KD-WK	UTS	UAS
201143500439	KK021	60	15
201143500121	KD123	10	90
201143500234	KK021	50	40
201143500165	KU122	90	80
201143500228	KU122	15	15
201143500326	KD123	80	0
201143500439	KD123	40	30

1.Buatlah Database Tugas1

MariaDB [(none)]> create database tugas1; **Query OK, 1 row affected (0.002 sec)**

2.Aktifkan database

```
*XII: pkg install x11-repo

Report issues at https://termux.com/issues

s mysqld
2020-04-23 14:25:50 0 [Note] mysqld (mysqld 10.4.12-MariaDB)
) starting as process 10788...
2020-04-23 14:25:50 0 [Note] InnoBB: Mutexes and rw_locks u
2020-04-23 14:25:50 0 [Note] InnoBB: Compressed tables use
211b 1.2.11
2020-04-23 14:25:50 0 [Note] InnoBB: Uses event mutexes
2020-04-23 14:25:50 0 [Note] InnoBB: Using generic crc32 in
2020-04-23 14:25:50 0 [Note] InnoBB: Using generic crc32 in
2020-04-23 14:25:50 0 [Note] InnoBB: Using generic crc32 in
2020-04-23 14:25:50 0 [Note] mysqld: O_MPFILE is not supported on /data/data/com.termux/files/usr/tmp (disabling futu
re attempts)
2020-04-23 14:25:50 0 [Note] mysqld: O_MPFILE is not supported on /data/data/com.termux/files/usr/tmp (disabling futu
re attempts)
2020-04-23 14:25:50 0 [Note] mysqld: O_MPFILE is not supported on /data/data/com.termux/files/usr/tmp (disabling futu
re attempts)
2020-04-23 14:25:50 0 [Note] mysqld: O_MPFILE is not supported on /data/data/com.termux/files/usr/tmp (disabling futu
re attempts)
2020-04-23 14:25:50 0 [Note] InnoBB: Starting crash recover
y from checkpoint LSN-76958
2020-04-23 14:25:50 0 [Note] InnoBB: Castring crash recover
y from checkpoint LSN-76958
2020-04-23 14:25:50 0 [Note] InnoBB: Removed temporary table
espace data file: 'iibaril'
2020-04-23 14:25:50 0 [Note] InnoBB: Setting file './ibtmp1'
2020-04-23 14:25:50 0 [Note] InnoBB: Setting file './ibtmp1'
size to 12 MB. Physically writing the file full; Please w
size to 12 MB. Physically writing the file full; Please w
size of temporary tables
2020-04-23 14:25:50 0 [Note] InnoBB: Setting file './ibtmp1'
size to 12 MB. Physically writing the file full; Please w
size of the size of the
```

3.Buatlah 3 buah tabel diatas

```
MariaDB [tugas1]> Create table Matakuliah (KD_MK varchar(30), Nama_MK varchar(25), SkS int (5));
Query OK, 0 rows affected (0.070 sec)
MariaDB [tugas1]> Insert into Matakuliah (KD_MK, Nama_MK, SkS) values ("KK021MariaDB [tugas1]> Insert into Matakuliah (KD_MK, Nama_MK, SkS) values ("KK021MariaDB [tugas1]> Insert into Matakuliah (KD_MK, Nama_MK, SkS) values ("KK021MariaDB [tugas1]> Insert into Matakuliah (KD_MK, Nama_MK, SkS) values ("KK021MariaDB [tugas1]> Kristem Basis Data", 2), ("MoriaDB [tugas1]> Create table Nilai (Npm Bigint auto_increment primary key, KD_MK varchar(10), UTS int(5), UAS int(5))
MariaDB [tugas1]> Create table Nilai (Npm Bigint auto_increment primary key, KD_MK varchar(10), UTS int(5), UAS int(5))
Query OK, 0 rows affected (0.050 sec)
MariaDB [tugas1]> Insert into Nilai (Npm, KD_MK, UTS, UAS) values ("201143500439", "KK021",60,75);
Query OK, 1 row affected (0.080 sec)
MariaDB [tugas1]> Insert into Nilai (Npm, KD_MK, UTS, UAS) values ("201143500121", "KN0123",70,90);
Query OK, 1 row affected (0.080 sec)
MariaDB [tugas1]> Insert into Nilai (Npm, KD_MK, UTS, UAS) values ("201143500123", "KK021",50,40);
Query OK, 1 row affected (0.012 sec)
MariaDB [tugas1]> Insert into Nilai (Npm, KD_MK, UTS, UAS) values ("201143500165", "KU122",90,80);
Query OK, 1 row affected (0.012 sec)
MariaDB [tugas1]> Insert into Nilai (Npm, KD_MK, UTS, UAS) values ("201143500228", "KU122",75,75);
Query OK, 1 row affected (0.012 sec)
MariaDB [tugas1]> Insert into Nilai (Npm, KD_MK, UTS, UAS) values ("201143500326", "KD123",80,0);
Query OK, 1 row affected (0.039 sec)
MariaDB [tugas1]> Insert into Nilai (Npm, KD_MK, UTS, UAS) values ("201143500439", "KD123",80,0);
Query OK, 1 row affected (0.039 sec)
MariaDB [tugas1]> Insert into Nilai (Npm, KD_MK, UTS, UAS) values ("201143500439", "KD123",40,0);
Query OK, 1 row affected (0.039 sec)
```

```
MariaDB [tugas1]> Create table Mahasiswa (NPM Bigint auto_i
ncrement primary key, nama varchar(25), Alamat varchar (25)
Query OK, 0 rows affected (0.117 sec)
MariaDB [tugas1]> Insert into Mahasiswa (NPM,Nama,Alamat) v
alues (201143500439,"Andi","Jakarta");
Query OK, 1 row affected (0.032 sec)
MariaDB [tugas1]> Insert into Mahasiswa (NPM,Nama,Alamat) v
alues (201143500121,"Desi","Bekasi");
Query OK, 1 row affected (0.018 sec)
MariaDB [tugas1]> Insert into Mahasiswa (NPM,Nama,Alamat) v
alues (201143500234,"Endah","Depok");
Query OK, 1 row affected (0.015 sec)
MariaDB [tugas1]> Insert into Mahasiswa (NPM,Nama,Alamat) v
alues (201143500165, "Firdaus", "Jakarta");
Query OK, 1 row affected (0.017 sec)
MariaDB [tugas1]> Insert into Mahasiswa (NPM,Nama,Alamat) v
alues (201143500228,"Gandi","Depok");
Query OK, 1 row affected (0.013 sec)
MariaDB [tugas1]> Insert into Mahasiswa (NPM,Nama,Alamat) v
alues (201143500326,"Hilda","Bogor");
Query OK, 1 row affected (0.018 sec)
```

4. Tampilkan seluruh database

5. Tampilkan seluruh tabel

6. Tampilkan struktur tabel Matakuliah

7.Hapus tabel Matakuliah

```
MariaDB [tugas1]> Drop table Matakuliah;

Query OK, O rows affected (0.061 sec)

MariaDB [tugas1]>
```

```
MariaDB [tugas1]> Create table Matakuliah (KD_MK varchar(30
),Nama_MK varchar(25), SKS int (5));
Query OK, 0 rows affected (0.063 sec)
```

9.Ganti tabel Matakuliah dengan MT_Kuliah

```
MariaDB [tugas1]> ALTER TABLE Matakuliah rename MT_Kuliah; Query OK, O rows affected (0.050 sec)

MariaDB [tugas1]> ■
```

10.Ganti nama field Nama_MK dengan NM_MK dan panjang field 30

```
MariaDB [tugas1]> ALTER TABLE MT_Kuliah change Nama_Mk NM_M
K varchar(30);
Query OK, O rows affected (0.011 sec)
Records: O Duplicates: O Warnings: O
MariaDB [tugas1]> ■
```

11. Tambahkan kolom Tgl_lahir pada tabel Mahasiswa

```
MariaDB [tugas1]> ALTER TABLE Mahasiswa ADD Column Tgl_lah
ir int(30);
Query OK, 0 rows affected (0.048 sec)
Records: 0 Duplicates: 0 Warnings: 0
MariaDB [tugas1]> ■
```

12.Hapus kolom Tgl_lahir

```
MariaDB [tugas1]> ALTER TABLE Mahasiswa Drop Tgl_lahir;
Query OK, 0 rows affected (0.049 sec)
Records: 0 Duplicates: 0 Warnings: 0
MariaDB [tugas1]>
```

13. Tambahkan kolom Tgl_Lahir pada tabel Mahasiswa pada awal field

```
MariaDB [tugas1]> ALTER TABLE Mahasiswa ADD Column Tgl_lah
ir int(30) First;
Query OK, 0 rows affected (0.055 sec)
Records: 0 Duplicates: 0 Warnings: 0
MariaDB [tugas1]> ■
```

14.Hapus kolom Tgl_Lahir

```
MariaDB [tugas1]> ALTER TABLE Mahasiswa Drop Tgl_lahir;
Query OK, 0 rows affected (0.049 sec)
Records: 0 Duplicates: 0 Warnings: 0
MariaDB [tugas1]>
```

15.Tambahkan kolom Tgl_lahir pada tabel Mahasiswa setelah kolom nama

```
MariaDB [tugas1]> ALTER TABLE Mahasiswa ADD Column Tgl_lah ir int(30) After Nama;
Query OK, O rows affected (0.040 sec)
Records: O Duplicates: O Warnings: O

MariaDB [tugas1]>
```

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SHC

Npm:201843500761

Tugasl