Name : Naura Salsabila Nim : L200183159

1. Activities 1

```
Command Prompt - mysql -u root
:\xampp\mysql\bin>mysql -u root -p
RROR 1045 (28000): Access denied for user 'root'@'localhost' (using password: YES)
:\xampp\mysql\bin>mysql -u root
Welcome to the MariaDB monitor. Commands end with ; or \g.
our MariaDB connection id is 23
Gerver version: 10.4.11-MariaDB mariadb.org binary distribution
opyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.
MariaDB [(none)]> show databases;
Database
information schema
performance_schema
phpmyadmin
test
rows in set (0.002 sec)
ariaDB [(none)]> create database perbankan;
uery OK, 1 row affected (0.036 sec)
lariaDB [(none)]> use perbankan
atabase changed
lariaDB [perbankan]> CREATE TABLE nasabah (
  -> id_nasabah INTEGER PRIMARY KEY,
  -> nama_nasabah VARCHAR(45) NOT NULL,
-> alamat_nasabah VARCHAR(255) NOT NULL);
Query OK, 0 rows affected (0.333 sec)
MariaDB [perbankan]> CREATE TABLE cabang_bank (
   -> kode_cabang VARCHAR(45) UNIQUE NOT NULL,
   -> nama_cabang VARCHAR(45) UNIQUE NOT NULL,
   -> alamat_cabang VARCHAR(255) NOT NULL);
uery OK, 0 rows affected (0.246 sec)
MariaDB [perbankan]> CREATE TABLE rekening (
   -> no_rekening INTEGER PRIMARY KEY,
   -> kode_cabangFK VARCHAR(20) REFERENCES cabang_bank(kode_cabang)
-> ON DELETE CASCADE ON UPDATE CASCADE,
   -> pin VARCHAR(20) DEFAULT '1234' NOT NULL,
   -> saldo INTEGER DEFAULT 0 NOT NULL);
uery OK, 0 rows affected (0.373 sec)
```

Picture 1.1. Creating new database and create the table

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Picture 1.2. Creating the table and show the result of all table

-> ;		+		1.5.6.11	
Field	Туре	Null	Key	Default	Extra
id_nasabah	int(11)	NO	PRI	NULL	
	varchar(45)			NULL	
alamat masahah	varchar(255)	MO		NULL	
rows in set (0.	+ 086 sec)			+	
rows in set (0. ariaDB [perbanka	+ 086 sec) n]> describe ca	bang_ba	nk		
rows in set (0. ariaDB [perbanka -> ; Field	086 sec) n]> describe ca Type	bang_ba	nk		
rows in set (0. ariaDB [perbanka	+ 086 sec) n]> describe ca	bang_ba	nk Key	Default	

Picture 1.3. Show data inside of a table

```
Select Command Prompt - mysql -u root
 ariaDB [perbankan]> CREATE TABLE dosen (
   -> nip VARCHAR(28) PRIMARY KEY,
   -> nama_dosen VARCHAR(45) NOT NULL,
-> alamat_dosen VARCHAR(45) NOT NULL);
wery OK, 0 rows affected (0.195 sec)
MariaDB [perbankan]> CREATE TABLE mahasiswa (
   -> nim VARCHAR(20) PRIMARY KEY,
-> dosen_nipFK VARCHAR(20) REFERENCES dosen(dosen_nip) ON DELETE CASCADE ON UPDATE CASCADE,
-> nama_mhs VARCHAR(45) NOT MULL,
   -> alamat mhs VARCHAR(45) NOT MULL);
(uery OK, 0 rows affected (0.270 sec)
MariaDB [perbankan]> CREATE TABLE mata_kuliah (
   -> kode_mk VARCHAR(20) PRIMARY KEY,
-> nama_mk VARCHAR(45) NOT NULL;
   -> deskripsi_mk VARCHAR(255) NOT NULL);
luery OK, 0 rows affected (0.259 sec)
MariaDB [perbankan]> CREATE TABLE ruang (
-> kode_ruang VARCHAR(20) PRIMARY KEY);
Query OK, 0 rows affected (0.223 sec)
ariaDB [perbankan]> CREATE TABLE mata_kuliah_has_ruang (
    -> kode_mkFK VARCHAR(20) REFERENCES mata_kuliah(kode_mk) ON DELETE CASCADE ON UPDATE CASCADE,

    kode_ruangFK VARCHAR(20) REFERENCES ruang(kode_ruang) DN DELETE CASCADE ON UPDATE CASCADE);

uery OK, 0 rows affected (0.281 sec)
luery OK, 0 rows affected (0.216 sec)
ariaDB [perbankan]> CREATE TABLE dosen_has_mata_kuliah (
   -> nipFK VARCHAR(20) REFERENCES dosen(nip) ON DELETE CASCADE ON UPDATE CASCADE,
-> kode_mkFK VARCHAR(20) REFERENCES mata_kuliah(kode_mk) ON DELETE CASCADE ON UPDATE CASCADE);
 pery OK, 0 rows affected (0.239 sec)
```

Picture 2.1. Creating the Table

```
Command Prompt - mysql -u root
MariaDB [perbankan]> show tables;
 Tables_in_perbankan
 cabang_bank
 dosen
 dosen_has_mata_kuliah
 mahasiswa
 mahasiswa has mata kuliah
 mata kuliah
 mata_kuliah_has_ruang
 nasabah_has_rekening
 rekening
 ruang
 transaksi
12 rows in set (0.001 sec)
MariaDB [perbankan]> describe cabang_bank;
 Field
                Type
                               | Null | Key | Default | Extra
                 varchar(20)
                                        PRI
 kode_cabang
                                              NULL
 nama cabang
                 varchar(45)
                                NO
                                        UNI
                                              NULL
 alamat_cabang | varchar(255) | NO
                                              NULL
 rows in set (0.016 sec)
MariaDB [perbankan]> describe dosen;
 Field
               Type
                             | Null | Key | Default | Extra |
 nip
                varchar(20)
                                      PRI
                                            NULL
                varchar(45)
 nama_dosen
                              NO
                                            NULL
 alamat dosen | varchar(45)
                             NO
                                            NULL
 rows in set (0.017 sec)
MariaDB [perbankan]> describe dosen_has_mata_kuliah;
 Field
                          | Null | Key | Default | Extra |
            Type
 nipFK
             varchar(20)
                                         NULL
 kode_mkFK | varchar(20) | YES
                                         NULL
 rows in set (0.017 sec)
```

Picture 2.2. Showing the tables and data inside of a Table