ASSIGNMENT 1

THE CODE

```
Select XAMPP for Windows - mysal -u root -n
     etting environment for using XAMPP for Windows.
ell@NADHIFAH20 c:\xampp
cd mysql\bin
  ee mpaga.

eel@MADHIFAH20 c:\xampp\mysql\bin

mysql -u root -p

nter password:

elcome to the MariaD8 monitor. Commands end with ; or \g.

four MariaD8 connection id is 47

Server version: 10.4.11-MariaD8 mariadb.org binary distribution
     ype 'help;' or '\h' for help. Type '\c' to clear the current input statement.
       information_schema
mysql
perbankan
performance_schema
phpmyadmin
test
  XAMPP for Windows - mysql -u root -p
is rows in set (0.002 sec)
EXAMPHOR Worksow: myndy -urost-pe
forous In set (0.002 sec)

MariaDB [(none)) use perbankan;

Database Changed

MariaDB [(none)] use perbankan;

MariaDB [(none)] use pe
```

```
XAMPPic Windows - Mysgr Groot p.
'at line 2
'at line 2
'at Dine 3
'at Dine 2
'at Dine 3

    ARROR 1864 (42808): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near ')' at line ariaDB [perbankan]> CREATE TABLE transaksis(
-> no transaksi SERIAL PRIMARY KEY,
-> id nasabahfk INTEGER REFERENCES nasabah(id_nasabah)
-> ON DELETE SET NULL ON UPDATE CASCADE,
-> no rekeningfk INTEGER REFERENCES rekening(no_rekening)
-> ON DELETE SET NULL ON UPDATE CASCADE,
-> jenis transaksi VARCHAR(20) DEFAULT 'debit' NOT NULL,
-> tanggal DATETIME NOT NULL DEFAULT CURRENT ITMESTAMP,
-> jumlah INTEGER NOT NULL CHECK(jumlah>=20000));
RROR 1056 (42501): Table 'transaksi' already exists
ariaDB [perbankan]> CREATE TABLE nasabah_has_rekening(
-> id_nasabahfk INTEGER REFERENCES nasabah(id_nasabah)
-> ON DELETE CASCADE ON UPDATE CASCADE,);
RROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near ')' at line
    ariaDB [perbankan]> CREATE TABLE nasabah has rekening(
-> id_nasabahFk INTEGER REFERENCES nasabah(id_nasabah)
-> ON DELETE CASCADE ON UPDATE CASCADE,
-> no_rekeningFk INTEGER REFERENCES rekening(no_rekening)
-> ON DELETE CASCADE ON UPDATE CASCADE,
-> PRINMRY KEY[id_nasabahFk, no_rekeningFk));
uery OK, 0 rows affected (3.532 sec)
on Select XAMPP for Windows - mysql -u root -p
MariaDB [perbankan]> show tables;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   cabang_bank
nasabah
nasabah_has_rekening
rekening
transaksi
 Field Type Null Key Default Extra id.nasabah int(11) NO PRI NULL nama nasabah varchar(45) NO NULL alamat_nasabah varchar(255) NO NULL rows in set (0.465 sec)
     ariaDB [perbankan]> describe nasabah
    ariaDB [perbankan]> describe cabang_bank;
  Anlaus [perbankan]> describe cabang_bank;

Field Type | Null | Key | Default | Extra |

kode_cabang | varchar(45) | NO | PRI | NULL |
nama_cabang | varchar(45) | NO | UNI | NULL |
alamat_cabang | varchar(255) | NO | NULL |

rows in set (0.054 sec)
  ariaDB [perbankan]> describe rekening;
ariaDB [perbankan]> describe transaksi;
  Field Type Null Key Default

no transaksi bigint(20) unsigned NO PRI NULL
id nasabahFK int(11) YES NULL
no rekeningFK int(11) YES NULL
jenis_transaksi varchar(20) NO debit
tanggal datetime NO current
jumlah int(11) NO NULL

rows in set (0.161 sec)
                                                                                                                                                                                                                                                                                                                                                                      extra
-----
auto_increment
  Field | Type | Null | Key | Default | Extra |
id_nasabahFK | int(11) | NO | PRI | NULL |
no_rekeningFK | int(11) | NO | PRI | NULL |
     rows in set (0.023 sec)
```

ASSIGNMENT 2

```
XAMPP for Windows - mysql -u root -p
 etting environment for using XAMPP for Windows.
ell@NADHIFAH20 c:\xampp
cd mysql\bin
ell@MADHIFAH20 c:\xampp\mysql\bin
mysql -u root -p
nter password:
elcome to the MariaOB monitor. Commands end with ; or \g.
our MariaOB connection id is 61
erver version: 10.4.11-MariaOB mariadb.org binary distribution
 opyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.
ariaDB [(none)]> create database kuliah;
uery OK, 1 row affected (0.069 sec)
lariaDB [(none)]> use kuliah;
lariaDB [(none)]> use kuliah;
lariaDB [kuliah]> CREATE TABLE dosen(
-> nip VARCHAR(20) PRIMARY KEY,
-> nama_dosen VARCHAR(45) NOT NULL),
-> alamat_dosen VARCHAR(45) NOT NULL);
RROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'VRACHAR(45)
NOT NULL)' at line 4
lariaDB [kuliah]> CREATE TABLE dosen(
-> nip VARCHAR(20) PRIMARY KEY,
-> nama_dosen VARCHAR(45) NOT NULL);
-> alamat_dosen VARCHAR(45) NOT NULL);
 ariaDB [kUliah]> CREATE TABLE mahasiswa(
-> nim VARCHAR(20) PRIMARY KEY,
-> dosen_nipfk VARCHAR(20) REFERENCES dosen(dosen_nip)
-> ON DELETE CASCADE ON UPDATE CASCADE,
-> nama_mahasiswa VARCHAR(45) NOT NULL,
-> alamat_mahasiswa VARCHAR(45) NOT NULL);
uery OK, 0 rows affected (1.327 sec)
ariaDB [kuliah]> CREATE TABLE matkul(
-> kode_matkul VARCHAR(20) PRIMARY KEY,
-> nama_matkul VARCHAR(45) NOT NULL,
  NAMPP for Windows - mysql -u root -p

-> ON DELETE CASCADE ON UPDATE CASCADE,
-> nama_mahasiswa VARCHAR(45) NOT NULL,
-> alamat_mahasiswa VARCHAR(45) NOT NULL);
uery OK, 0 rows affected (1.327 sec)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ð
  oriaD8 [kuliah]> CREATE TABLE matkul(
-> kode_matkul VARCHAR(20) PRIMARY KEY,
-> nama_matkul VARCHAR(45) NOT NULL,
-> deskripsi matkul VARCHAR(25) NOT NULL);
uery OK, 0 rows affected (2.272 sec)
 ariaDB [kuliah]> CREATE TABLE ruang(
-> kode_ruang VARCHAR(20) PRIMARY KEY);
uery OK, 0 rows affected (0.834 sec)
  ariaDB [kuliah]> CREATE TABLE matkul_has_ruang(
-> matkulrK VARCHAR(20) REFERENCES matkul(kode_matkul)
-> ON DELETE CASCADE ON UPDATE CASCADE;
RROR 1864 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '' at line 3
 ariaDB [kuliah]> CREATE TABLE matkul_has_ruang(
-> matkulFk VARCHAR(20) REFERENCES matkul(kode_matkul)
-> ON DELETE CASCADE ON UPDATE CASCADE,
-> ruangFk VARCHAR(20) REFERENCES ruang(kode_ruang)
-> ON DELETE CASCADE ON UPDATE CASCADE,
  ariaDB [kuliah] CREATE TABLE matkul has_ruang(
-> matkulFK VABCHAR(20) REFERENCES matkul(kode_matkul)
-> ON DELETE CASCADE ON UPDATE CASCADE,
-> ruangEK VARCHAR(20) REFERENCES ruang(kode_ruang)
-> ON DELETE CASCADE ON UPDATE CASCADE);
uery OK, 0 rows affected (0.403 sec)
  ariaOB [kuliah]> CREATE TABLE mahasiswa_has_malkul(
-> nimFK VARCHAR(20) REFERENCES mahasiswa(nim)
-> ON DELETE CASCADE ON UPDATE CASCADE;
-> matkulFK VARCHAR(20) REFERENCES matkul(kode_matkul)
-> ON DELETE CASCADE ON UPDATE CASCADE);
uery OK, 0 rows affected (0.387 sec)
  ariaDB [kuliah]> CREATE TABLE dosen_has_matkul(
-> nipFK VARCHAR(20) REFERENCES dosen(nip)
```

```
XAMPP for Windows - mysql -u root -p

-> kode_ruang VARCHAR(20) PRIMARY KEY);

sery OK, 0 rows affected (0.834 sec)
       and [kuliah]> CREATE TABLE matkul_has_ruang(
-> matkulFK VARCHAR(20) REFERENCES matkul(kode_matkul)
-> ON DELETE CASCADE ON UPDATE CASCADE;
OR 1864 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '' at line 3
  ariaDB [kuliah]> CREATE TABLE matkul_has_ruang(
-> matkulFK VARCHAR(20) REFERENCES matkul(kode_matkul)
-> ON DELETE CASCADE ON UPDATE CASCADE,
-> ruangfK VARCHAR(20) REFERENCES ruang(kode_ruang)
-> ON DELETE CASCADE ON UPDATE CASCADE,
              > );
1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaOB server version for the right syntax to use near ')' at line
  ariaDB [kuliah]> CREATE TABLE matkul has_ruang(
-> matkulFK VARCHAR(20) REFERENCES matkul(kode_matkul)
-> ON DELETE CASCADE ON UPDATE CASCADE,
-> ruangFK VARCHAR(20) REFERENCES ruang(kode_ruang)
-> ON DELETE CASCADE ON UPDATE CASCADE);
uery OK, 0 rows affected (0.483 sec)
   ariaDB [Kuliah]> CREATE TABLE mahasiswa_has_malkul(
-> nimFK VARCHAR(20) REFERENCES mahasiswa(nim)
-> ON DELETE CASCADE ON UDDATE CASCADE,
-> matkulFK VARCHAR(20) REFERENCES matkul(kode_matkul)
-> ON DELETE CASCADE ON UDDATE CASCADE);
uery OK, 0 rows affected (0.387 sec)
  uery OK, 0 rows affected (0.387 sec)

ariaDB [kuliah]> CREATE TABLE dosen has matkul(

-> nipFK VARCHAR(20) REFERENCES dosen(nip)

-> ON DELETE CASCADE ON UPDATE CASCADE,

-> matkulFK VARRCHAR(20) REFERENCES matkul(kode_matkul)

-> ON DELETE CASCADE ON UPDATE CASCADE);

REFERENCES matkul(kode matkul)

N DELETE CASCADE ON UPDATE CASCADE);

REFERENCES matkul(kode matkul)

N DELETE CASCADE ON UPDATE CASCADE);

ariaDB [kuliah]> CREATE TABLE dosen has matkul(

-> nipFK VARCHAR(20) REFERENCES dosen(nip)

-> ON DELETE CASCADE ON UPDATE CASCADE);

-> matkulFK VARCHAR(20) REFERENCES dosen(nip)

-> ON DELETE CASCADE ON UPDATE CASCADE);

-> matkulFK VARCHAR(20) REFERENCES matkul(kode_matkul)

-> ON DELETE CASCADE ON UPDATE CASCADE);

-> ON DELETE CASCADE ON UPDATE CASCADE);
S. XAMPP for Windows - mysql -u root -p
-> ON DELETE CASCADE ON UPDATE CASCADE);
Query OK, 0 rows affected (0.374 sec)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Tables_in_kuliah
   dosen
dosen_has_matkul
mahasiswa
mahasiswa_has_malkul
matkul
matkul_has_ruang
 ariaDB [kuliah]> describe dosen;

Field | Type | Null | Key | Default | Extra |

nip | varchar(20) | NO | PRI | NULL |

nama_dosen | varchar(45) | NO | NULL |

alamat_dosen | varchar(45) | NO | NULL |

rows in set (0.202 sec)
 ariaDB [kuliah]> describe mahasiswa;

Field Type Null | Key | Default | Extra |

nim | varchar(20) | NO | PRI | NULL |

dosen nipFK | varchar(20) | YES | NULL |

nama mahasiswa | varchar(45) | NO | NULL |

alamat_mahasiswa | varchar(45) | NO | NULL |

rows in set (0.102 sec)
 ariaDB [kuliah]> describe matkul;
  Field | Type | Null | Key | Default | Extra |
```

