Nama : Lolyvia Khoiria Daulay

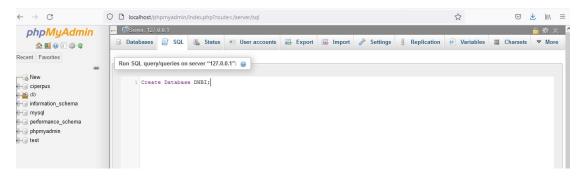
Nim : 181402018

Kom : C

Mata Kuliah : Data Warehouse dan Bisnis Intelligence

Tugas 1

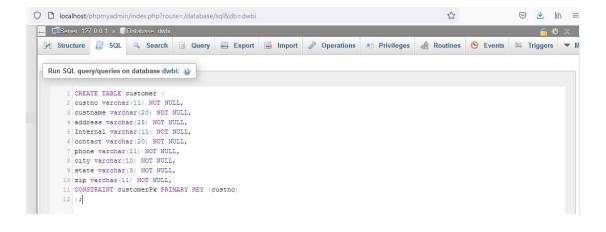
Create Database



a. Membuat Tabel Customer

Membuat tabel Customer dengan tipe data sesuai dan seluruh kolom not null atau diatur required.

```
CREATE TABLE customer (
custno varchar(11) NOT NULL,
custname varchar(20) NOT NULL,
address varchar(25) NOT NULL,
Internal varchar(11) NOT NULL,
contact varchar(20) NOT NULL,
phone varchar(11) NOT NULL,
city varchar(10) NOT NULL,
state varchar(5) NOT NULL,
zip varchar(11) NOT NULL,
CONSTRAINT customerPk PRIMARY KEY (custno)
);
```





Membuat Isi Tabel Customer

INSERT INTO customer

(custno, custname, address, Internal, contact, phone, city, state, zip)

VALUES ('C100', 'Football', 'Box352200', 'Y', 'Mary Manager', '6857100', 'Boulder', 'C0', '80309');

INSERT INTO customer

(custno, custname, address, Internal, contact, phone, city, state, zip)

VALUES ('C101', "Men's Basketball", 'Box352400', 'Y', 'Sally Supervisor', '5413700', 'Boulder', 'C0', '80309');

INSERT INTO customer

(custno, custname, address, Internal, contact, phone, city, state, zip)

VALUES ('C103', 'Basebal', 'Box352020', 'Y', 'Bill Baseball', '5431234', 'Boulder', 'C0', '80309');

INSERT INTO customer

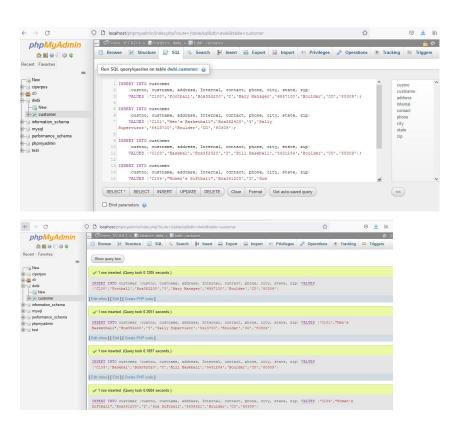
(custno, custname, address, Internal, contact, phone, city, state, zip)

VALUES ('C104', "Women's Softball", 'Box351200', 'Y', 'Sue Softball', '5434321', 'Boulder', 'C0', '80309');

INSERT INTO customer

(custno, custname, address, Internal, contact, phone, city, state, zip)

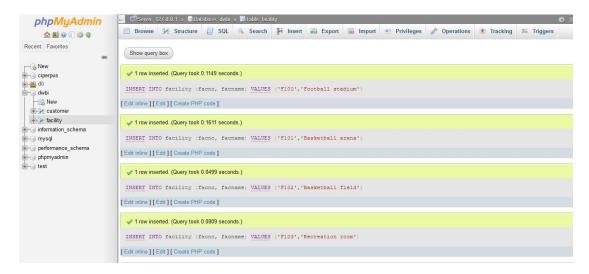
VALUES ('C105', 'High School Football', '123 AnyStreet', 'N', 'Coach Bob', '4441234', 'Louisville', 'CO', '80027');



b. Membuat Tabel facility dan membuat requirement unique pada facilname

```
CREATE TABLE facility (
facno varchar(11) NOT NULL,
facname varchar (20) NOT NULL,
CONSTRAINT facility PRIMARY KEY (facno),
CONSTRAINT facilname UNIQUE (facno)
);
                                                                      1 CREATE TABLE facility (
2 facno varchar(11) NOT NULL,
3 facname varchar(20) NOT NULL,
4 CONSTRAINT facility PRIMARY KEY (facno),
5 CONSTRAINT faciliname UNIQUE (facno)
     phpMyAdmin Server. 127.0.0.1 » Database: dv
                                                        📝 Structure 📙 SQL 🔍 Search 🏿 Query 🚔 Export 🖼 Import 🤌 Operations
         MySQL returned an empty result set (i.e. zero rows). (Query took 0.4132 seconds.)
                                                         CREATE TABLE facility ( facno varchar(11) NOT NULL, facname varchar(20) NOT NULL, CONSTRAINT facility FRIMARY KEY (facno), CONSTRAINT facility FRIMARY KEY (facn
     dwbi
New
                                                        [ Edit inline ] [ Edit ] [ Create PHP code ]
Mengisi Tabel Faclity
INSERT INTO facility
                            (facno, facname)
                           VALUES ('F100', 'Football stadium');
INSERT INTO facility
                            (facno, facname)
                           VALUES ('F101', 'Basketball arena');
INSERT INTO facility
                            (facno, facname)
                           VALUES ('F102', 'Basketball field');
INSERT INTO facility
                            (facno, facname)
                           VALUES ('F103', 'Recreation room');
```





c. Membuat Tabel location dan Menentukan foreign key

Membuat tabel facility dengan tipe data yang sesuai dan seluruh kolom diatur required (not null). Pada tabel ini locno menjadi primary key dan facno menjadi foreign key yang diambil dari tabel facility. Foreign key dapat menjadi null tetapi primary key tidak boleh null dan harus not null.

```
CREATE TABLE `location` (
locno varchar(11),
facno varchar(11),
locname varchar(25) NOT NULL,
CONSTRAINT locationPk PRIMARY KEY (locno), FOREIGN KEY (facno)
REFERENCES facility(facno)
);
```

```
1 CREATE TABLE 'location' (
ciperpus
                                                2 locno varchar(11),
db db
                                                3 facno varchar(11),
  dwbi
                                                4 locname varchar(25) NOT NULL.
                                                5 CONSTRAINT locationPk PRIMARY KEY (locno), FOREIGN KEY (facno) REFERENCES facility(facno)
  customer
  + facility
 ciperpus
db
dwbi
New
customer
                                 MySQL returned an empty result set (i.e. zero rows). (Query took 0.6794 seconds.)
                                CREATE TABLE 'location' ( loono warchar(11), facno warchar(11), locname warchar(25) NOT NULL, CONSTRAINT locationPk PRIMARY KEY (locno), FOREIGN KEY (facno) REFERENCES facility(facno) )
                               [ Edit inline ] [ Edit ] [ Create PHP code ]
   + facility
                                 A Warning: #1280 Name 'locationPk' ignored for PRIMARY key
```

Mengisi Tabel Location

```
INSERT INTO location
      (locno, facno, locname)
      VALUES ('L100', 'F100', 'Locker room');
INSERT INTO location
      (locno, facno, locname)
      VALUES ('L101', 'F100', 'Plaza');
INSERT INTO location
      (locno, facno, locname)
      VALUES ('L102', 'F100', 'Vehicle gate');
INSERT INTO location
      (locno, facno, locname)
      VALUES ('L103', 'F101', 'Locker room');
INSERT INTO location
      (locno, facno, locname)
      VALUES ('L104', 'F100', 'Ticket Booth');
INSERT INTO location
      (locno, facno, locname)
      VALUES ('L105', 'F101', 'Gate');
INSERT INTO location
      (locno, facno, locname)
      VALUES ('L106', 'F100', 'Pedestrian gate');
```

