NIM   : 181402009

Nama   : Amira Nurul Amanda

Kom   : C

Mata Kuliah   : Data Warehouse dan Bisnis Intelligence

Tugas 1

Membuat tabel customer

Membuat tabel customer dengan tipe data yang sesuai dan seluruh kolom diatur required (not null).

```
CREATE TABLE customer (

custno varchar(10) NOT NULL,

custname varchar(30) NOT NULL,

address varchar(30) NOT NULL,

Internal varchar(1) NOT NULL,

contact varchar(30) NOT NULL,

phone varchar(10) NOT NULL,

city varchar(15) NOT NULL,

state varchar(2) NOT NULL,

zip varchar(5) NOT NULL,

CONSTRAINT customerPk PRIMARY KEY (custno)

);
```
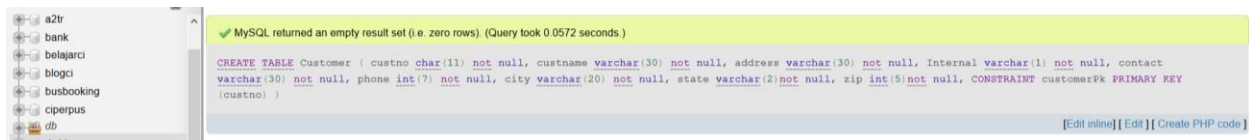
Membuat tabel facility dan membuat requirement unique pada facilname

Membuat tabel facility dengan tipe data yang sesuai dan seluruh kolom diatur required (not null). Pada tabel facility ini facno menjadi primary key dan value (nilai) pada facilname dibuat menjadi unik atau berbeda setiap value (nilainya) .

```
CREATE TABLE facility (

facno varchar(10) NOT NULL,

facname varchar(30) NOT NULL,

CONSTRAINT facility PRIMARY KEY (facno),

CONSTRAINT facilname UNIQUE (facno)

);
```

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(10),

facno varchar(10),

locname varchar(30) NOT NULL,
```

```
CONSTRAINT locationPk PRIMARY KEY (locno),FOREIGN KEY (facno)
REFERENCES facility(facno)

);
```


Mengisi tabel customer

```
INSERT INTO customer

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

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



INSERT INTO customer

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

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



INSERT INTO customer

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

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



INSERT INTO customer
```
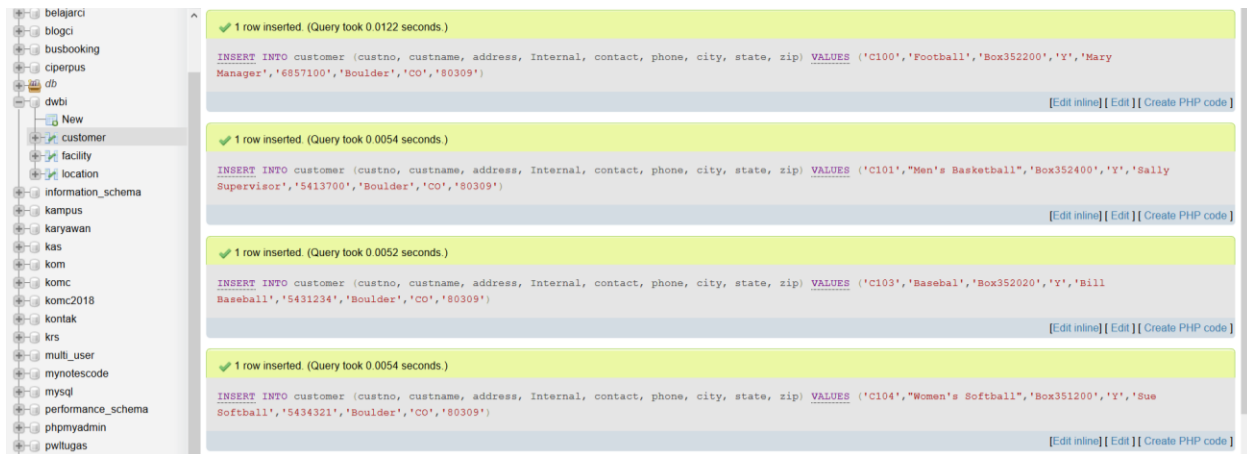
```
        (custno, custname, address, Internal, contact, phone, city,
state, zip)

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


Mengisi tabel facility

```
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');
```
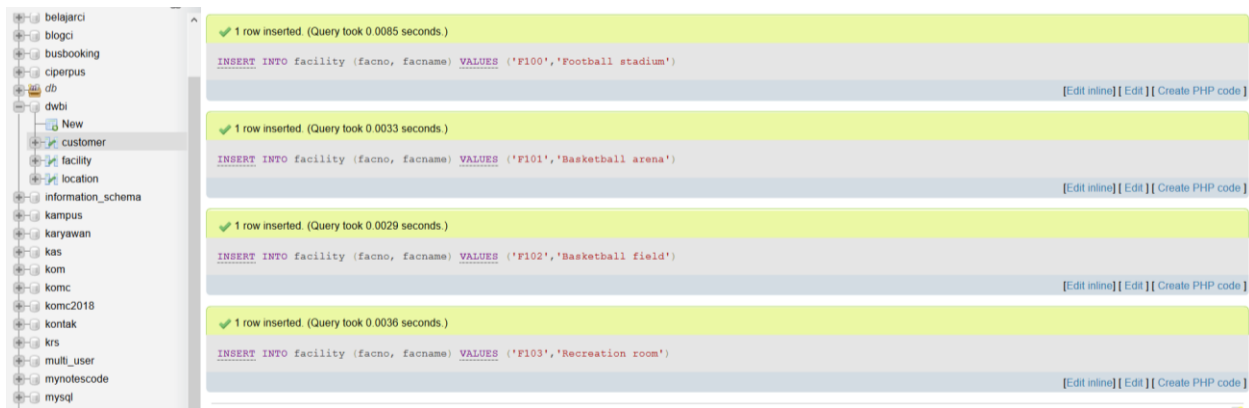

Mengisi tabel location

```
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');
```