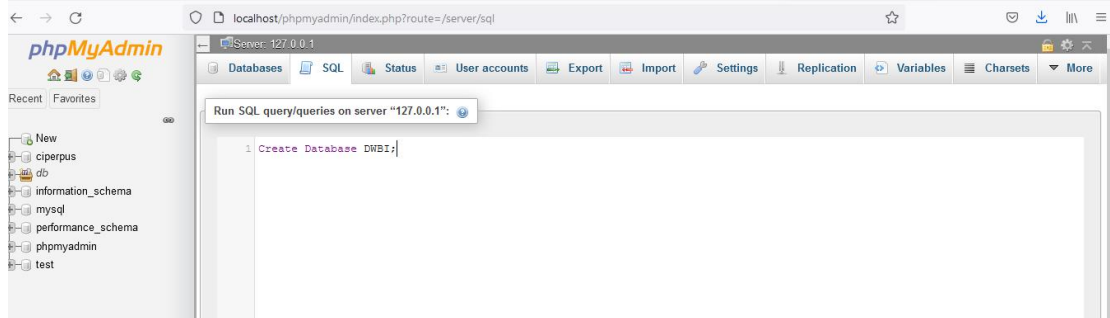


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Mata Kuliah : Data Warehouse dan Bisnis Intelligence

Tugas 1

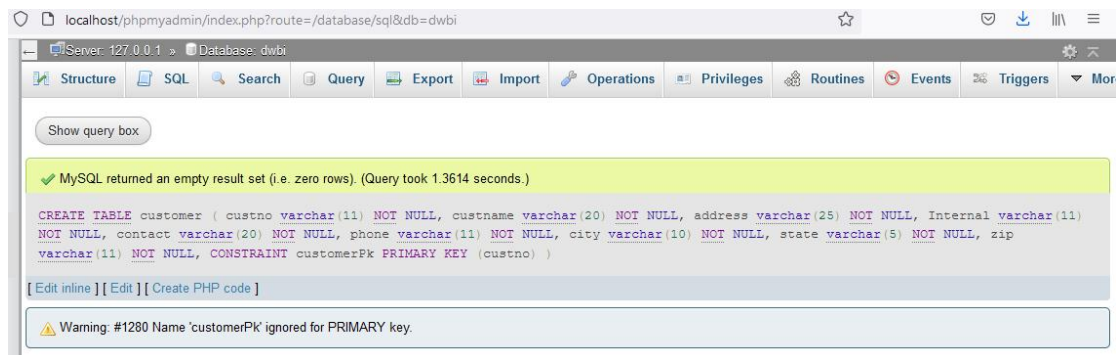
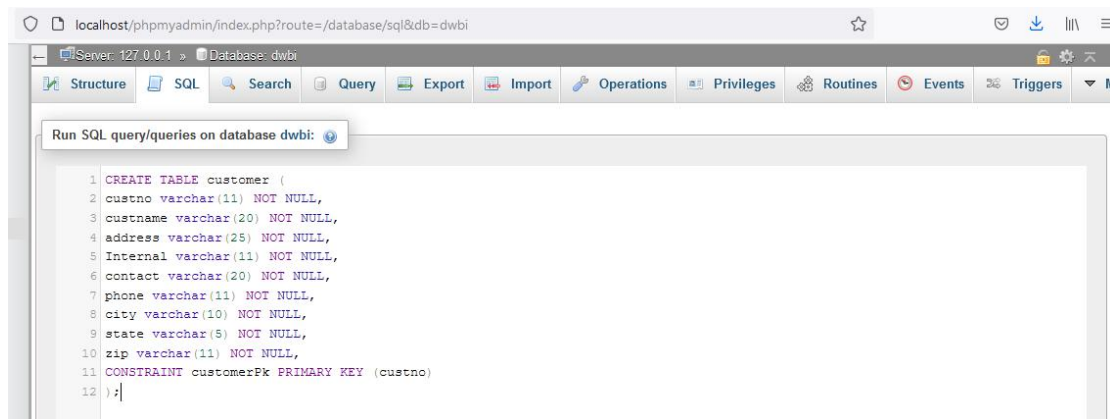
Create Database



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', '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
```

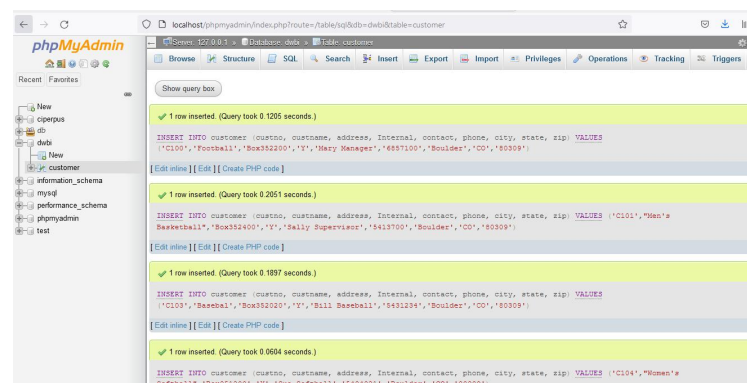
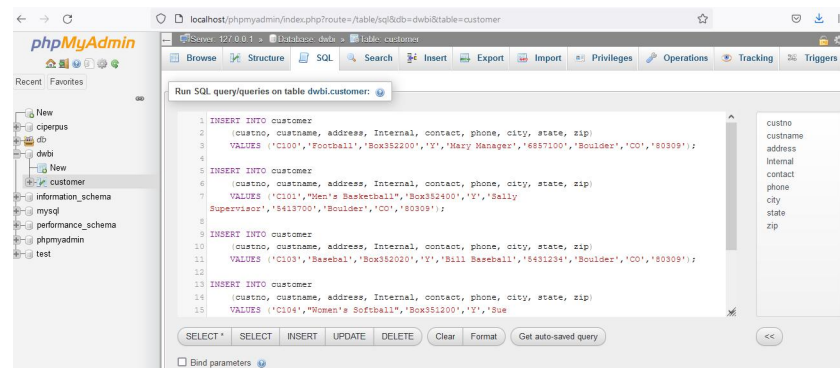
```
(custno, custname, address, Internal, contact, phone, city,
state, zip)
```

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

```
INSERT INTO customer
```

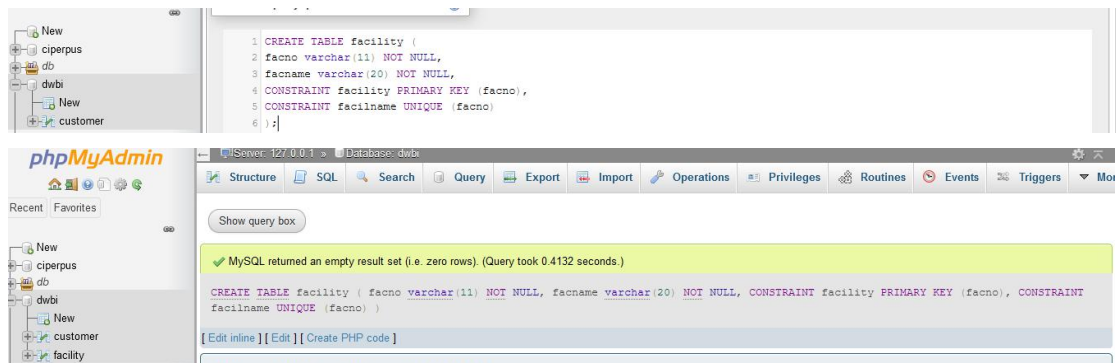
```
(custno, custname, address, Internal, contact, phone, city,
state, zip)
```

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



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)  
);
```



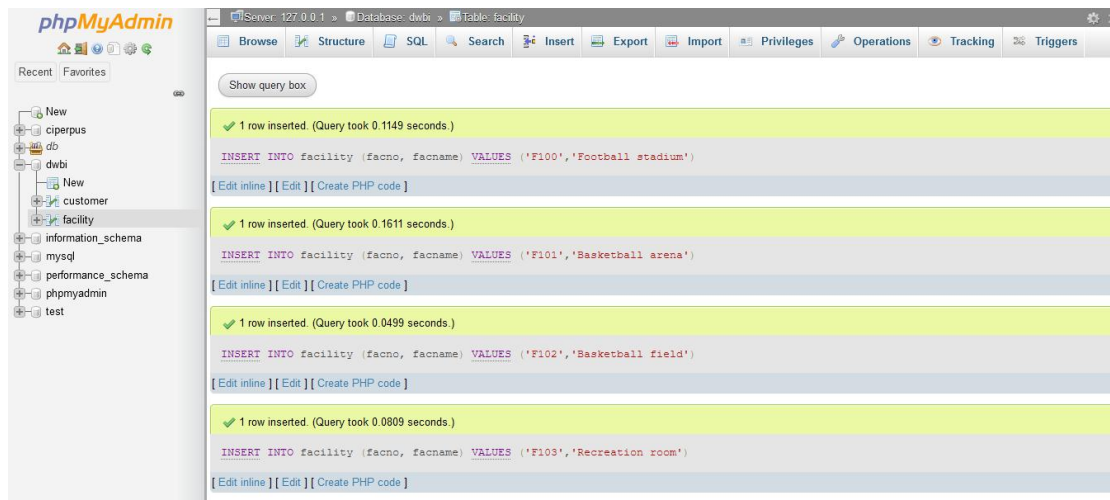
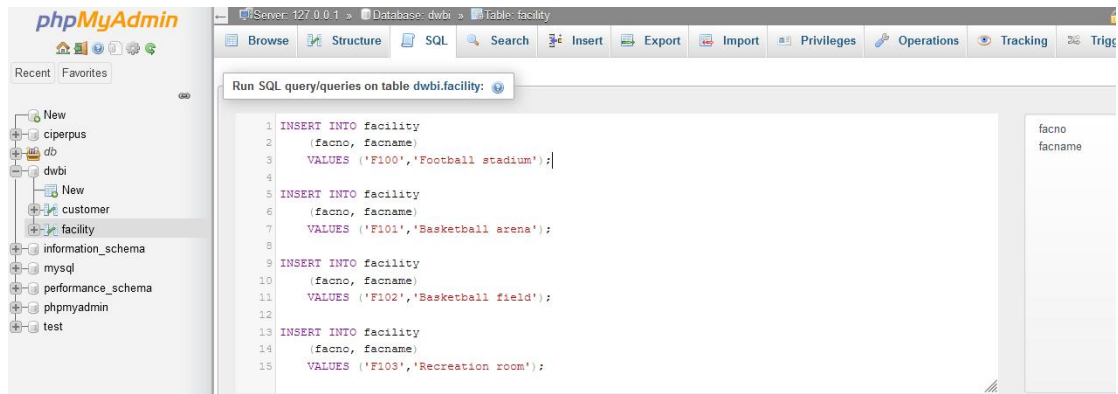
Mengisi Tabel Facility

```
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');
```



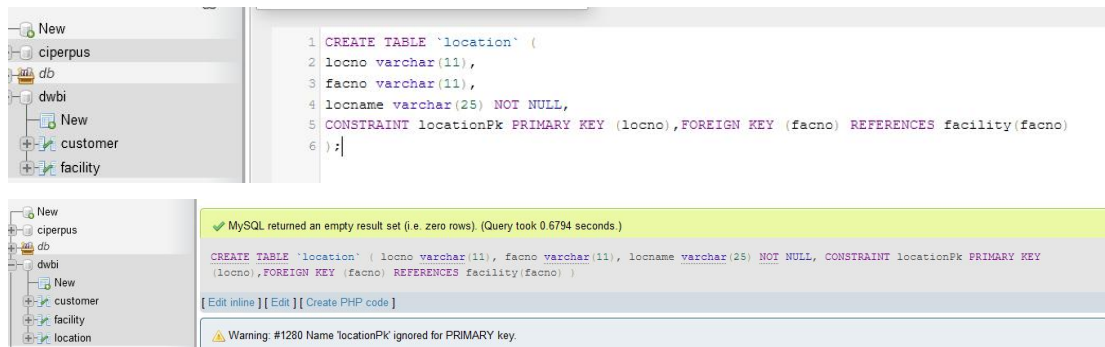
c. Membuat Tabel location dan Menentukan foreign key

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)
);

```



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');

