

SCS2209 Database II

Tutorial 06

01.

```
CREATE TABLE Discount(  
    PurchaseOrderNum int(11) NOT NULL,  
    PayableWithoutDiscount int(11) NOT NULL,  
    PayableWithDiscount int(11) NOT NULL  
);
```

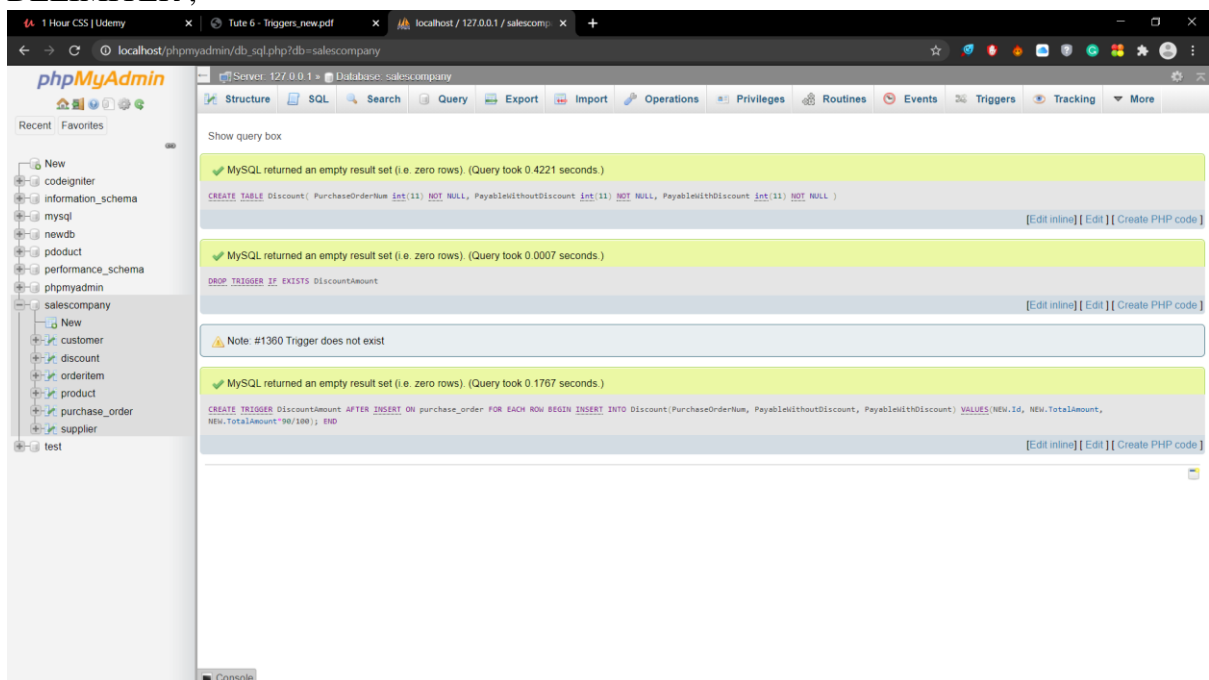
```
DELIMITER //  
DROP TRIGGER IF EXISTS DiscountAmount //  
CREATE TRIGGER DiscountAmount  
AFTER INSERT  
ON purchase_order  
FOR EACH ROW  
BEGIN
```

```
INSERT INTO Discount(PurchaseOrderNum, PayableWithoutDiscount,  
    PayableWithDiscount)
```

```
VALUES(NEW.Id, NEW.TotalAmount, NEW.TotalAmount*90/100);
```

```
END //
```

```
DELIMITER ;
```



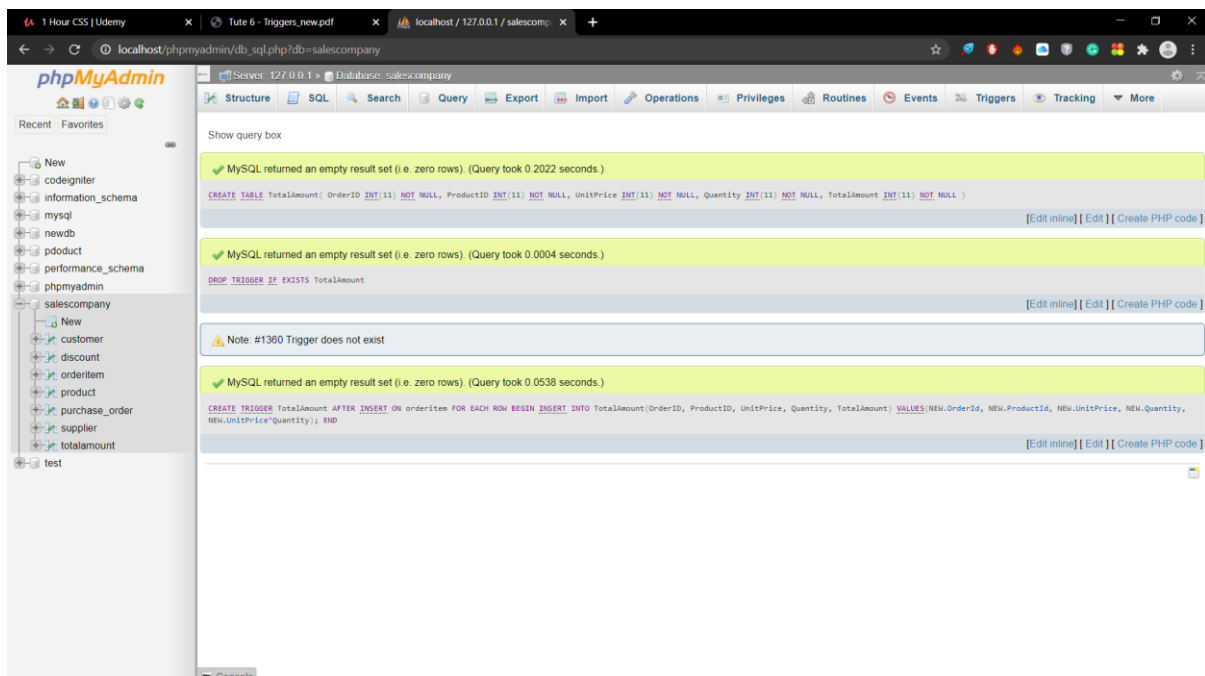
02.

```
CREATE TABLE TotalAmount(  
OrderID INT(11) NOT NULL,  
ProductID INT(11) NOT NULL,  
UnitPrice INT(11) NOT NULL,  
Quantity INT(11) NOT NULL,  
TotalAmount INT(11) NOT NULL  
);
```

```
DELIMITER //  
DROP TRIGGER IF EXISTS TotalAmount //  
CREATE TRIGGER TotalAmount  
AFTER INSERT  
ON orderitem  
FOR EACH ROW  
BEGIN
```

```
INSERT INTO TotalAmount(OrderID, ProductID, UnitPrice, Quantity, TotalAmount)  
VALUES(NEW.OrderId, NEW.ProductId, NEW.UnitPrice, NEW.Quantity,  
NEW.UnitPrice*Quantity);
```

```
END //  
DELIMITER ;
```



03.

```
CREATE TABLE Reminders(  
Id INT(11) AUTO_INCREMENT NOT NULL,  
MemberId INT(11) NOT NULL,  
Message VARCHAR(255) NOT NULL,  
PRIMARY KEY (Id, MemberId)  
);
```

```
DELIMITER //  
DROP TRIGGER IF EXISTS after_customer_insert //  
CREATE TRIGGER after_customer_insert  
AFTER INSERT  
ON customer  
FOR EACH ROW  
BEGIN  
IF NEW.Phone = NULL THEN  
INSERT INTO Reminders(MemberId, Message)  
VALUES(NEW.Id, "The Phone number is NULL");  
END IF;  
END //  
DELIMITER ;
```

