#### **CHAPTER 5 CRUD OPERATIONS**

1. Write an INSERT statement that adds this row to the Terms table:

terms\_id: 6

terms\_description: Net due 120 days

terms\_due\_days: 120

Use MySQL Workbench to review the column definitions for the Terms table, and include a column list with the required columns in the INSERT statement.

### **ANSWER:**

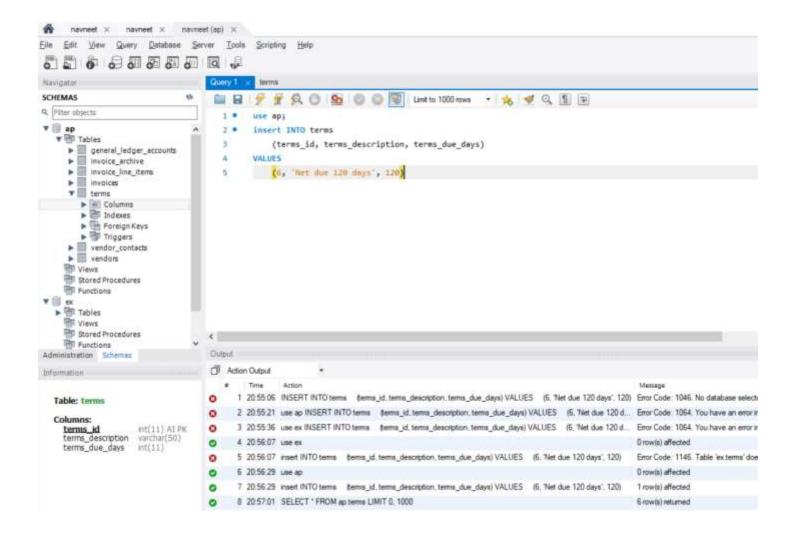
use ap;

insert INTO terms

(terms\_id, terms\_description, terms\_due\_days)

**VALUES** 

(6, 'Net due 120 days', 120)



 Write an UPDATE statement that modifies the row you just added to the Terms table. This statement should change the terms\_description column to "Net due 125 days", and it should change the terms\_due\_days column to 125.

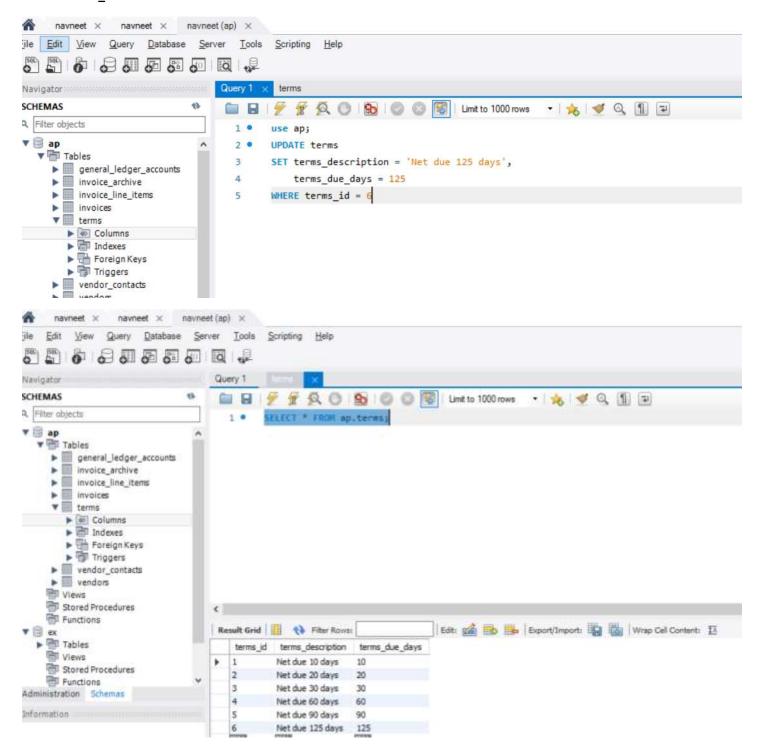
### **ANSWER:**

#### **UPDATE** terms

SET terms\_description = 'Net due 125 days',

terms\_due\_days = 125

WHERE terms\_id = 6

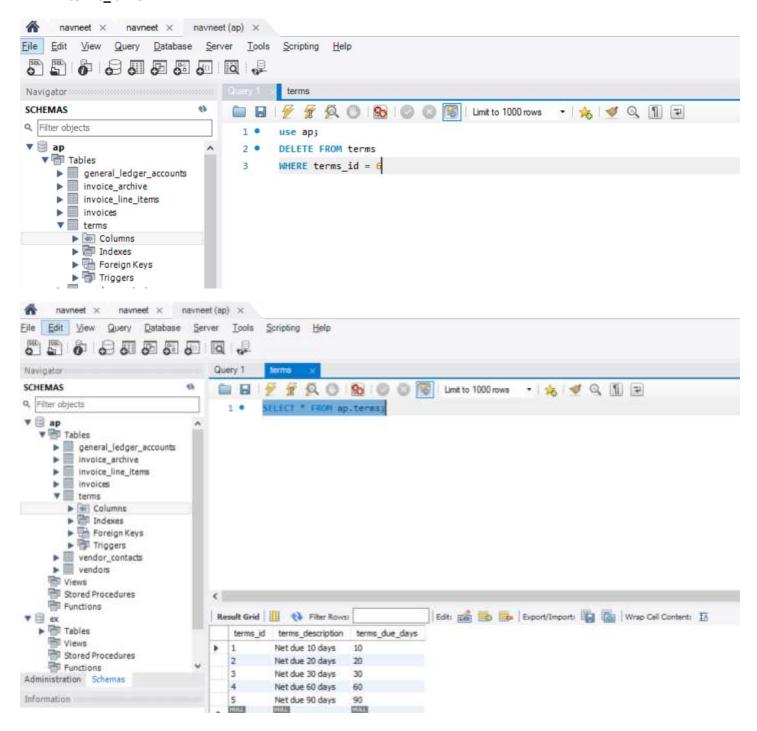


3. Write a DELETE statement that deletes the row you added to the Terms table in exercise 1.

#### **ANSWER:**

#### **DELETE FROM terms**

### WHERE terms id = 6



4. Write an INSERT statement that adds this row to the Invoices table:

invoice\_id: The next automatically generated ID

vendor\_id: 32

invoice\_number: AX-014-027

invoice\_date: 8/1/2014

invoice\_total: \$434.58

payment\_total: \$0.00

credit\_total: \$0.00

terms\_id: 2

invoice\_due\_date: 8/31/2014

payment\_date: null

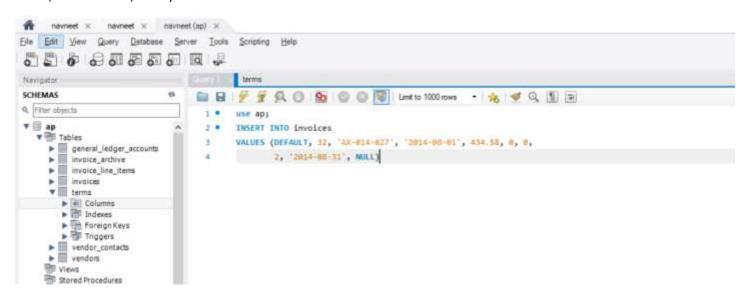
Write this statement without using a column list.

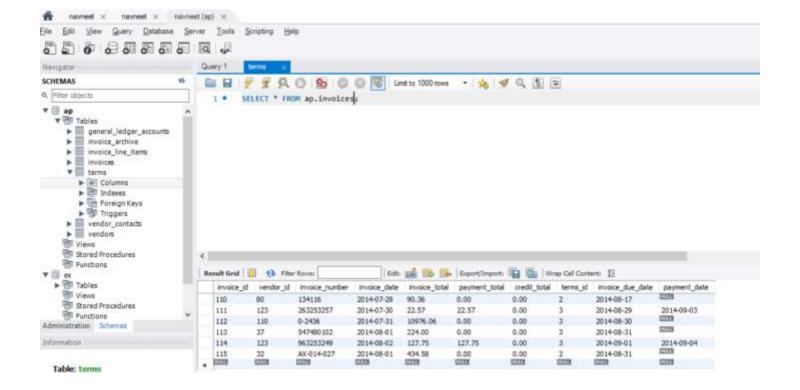
### **ANSWER:**

**INSERT INTO invoices** 

VALUES (DEFAULT, 32, 'AX-014-027', '2014-08-01', 434.58, 0, 0,

2, '2014-08-31', NULL)





5. Write an INSERT statement that adds these rows to the Invoice\_Line\_Items table:

invoice\_sequence: 1 2

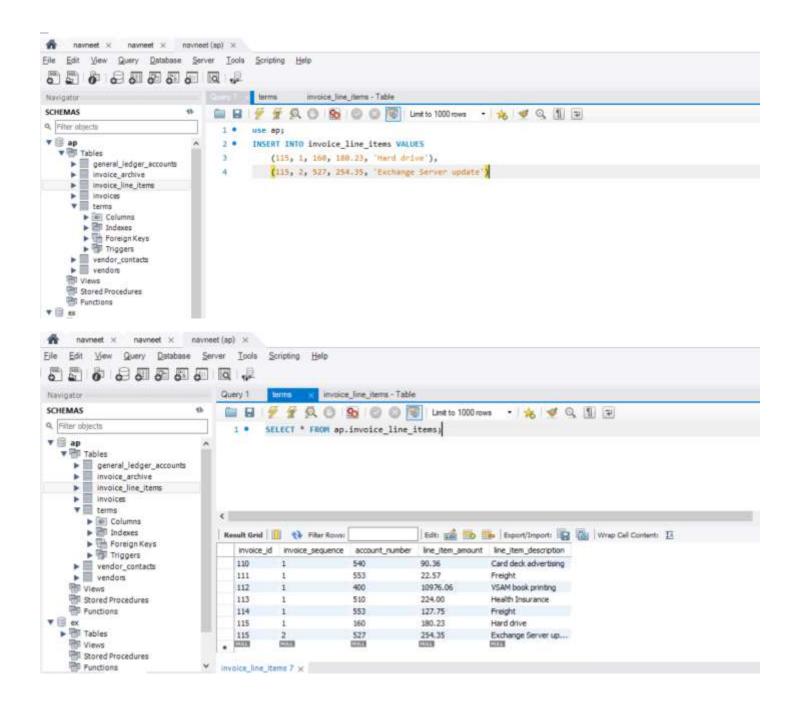
account\_number: 160 527

line\_item\_amount: \$180.23 \$254.35

line\_item\_description: Hard drive Exchange Server update

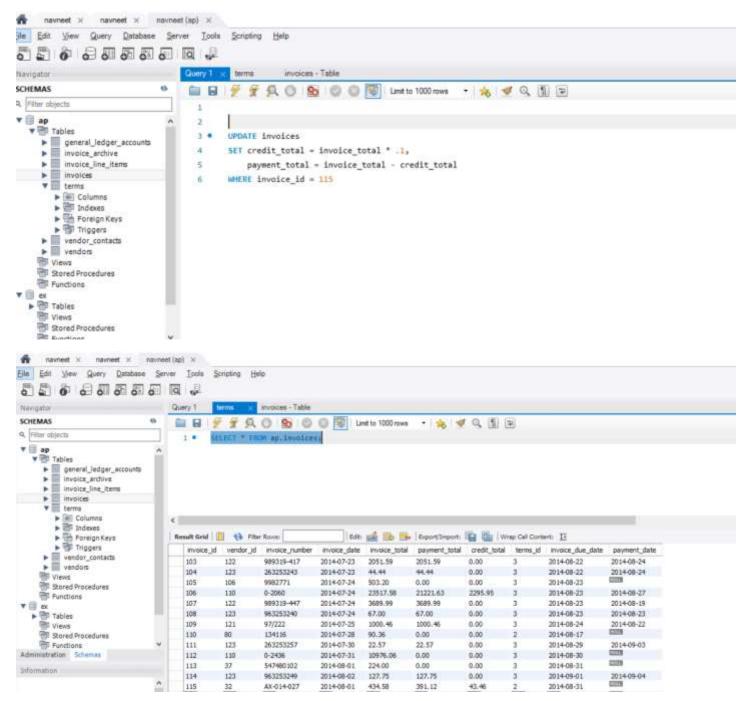
Set the invoice\_id column of these two rows to the invoice ID that was generated by MySQL for the invoice you added in exercise 4.

# ANSWER:



6. Write an UPDATE statement that modifies the invoice you added in exercise 4. This statement should change the credit\_total column so it's 10% of the invoice\_total column, and it should change the payment\_total column so the sum of the payment\_total and credit\_total columns are equal to the invoice\_total column.

### ANSWER:



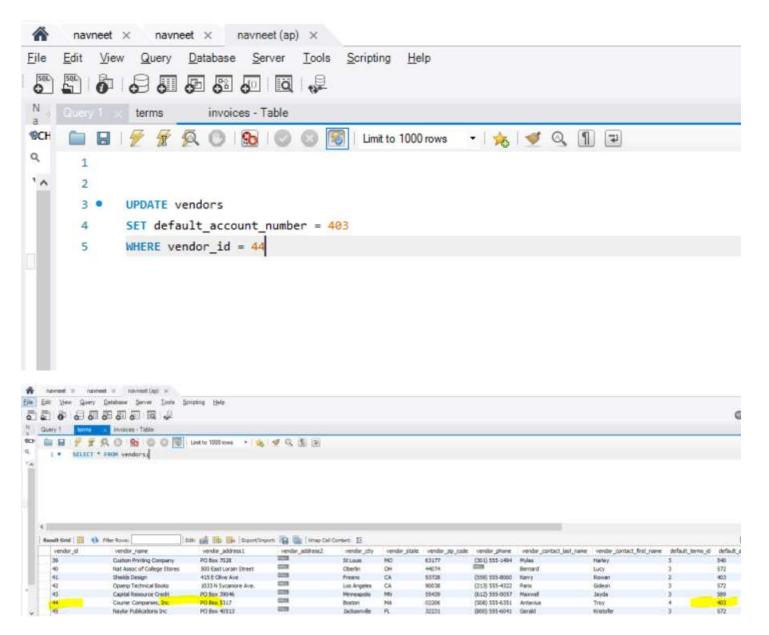
7. Write an UPDATE statement that modifies the Vendors table. Change the default\_account\_number column to 403 for the vendor with an ID of 44.

### **ANSWER:**

**UPDATE** vendors

SET default\_account\_number = 403

WHERE vendor\_id = 44



8. Write an UPDATE statement that modifies the Invoices table. Change the terms\_id column to 2 for each invoice that's for a vendor with a default\_terms\_id of 2.

## ANSWER:

```
UPDATE invoices

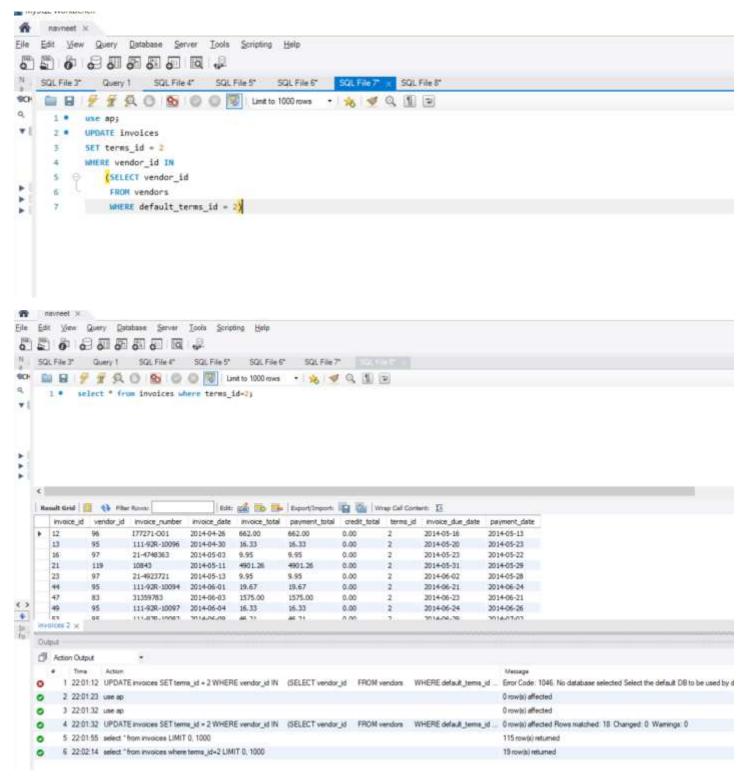
SET terms_id = 2

WHERE vendor_id IN

(SELECT vendor_id

FROM vendors

WHERE default_terms_id = 2)
```



9. Write a DELETE statement that deletes the row that you added to the Invoices table in exercise 4. When you execute this statement, it will produce an error since the invoice has related rows in the Invoice\_Line\_Items table. To fix that, precede the DELETE statement with another DELETE statement that deletes the line items for this invoice. (Remember that to code two or more statements in a script, you must end each statement with a semicolon.)

