

Chapter 7 Part 1

How to insert, update, and delete data

Exercises

To test whether a table has been modified correctly as you do these exercises, you can write and run an appropriate SELECT statement.

1. **(5 Points)** Write an INSERT statement that adds this row to the **Categories** table:

CategoryName: Brass

Code the INSERT statement so SQL Server automatically generates the value for the **CategoryID** column.

2. **(5 Points)** Write an UPDATE statement that modifies the row you just added to the **Categories** table. This statement should change the **CategoryName** column to “Woodwinds”, and it should use the **CategoryID** column to identify the row.
3. **(5 Points)** Write a DELETE statement that deletes the row you added to the **Categories** table in exercise 1. This statement should use the **CategoryID** column to identify the row.
4. **(10 Points)** Write an INSERT statement that adds this row to the **Products** table:

ProductID: The next automatically generated ID
CategoryID: 4
ProductCode: dgx_640
ProductName: Yamaha DGX 640 88-Key Digital Piano
Description: Long description to come.
ListPrice: 799.99
DiscountPercent: 0
DateAdded: Today’s date/time.

Use a column list for this statement.

5. **(10 Points)** Write an UPDATE statement that modifies the product you added in exercise 4. This statement should change the **DiscountPercent** column from 0% to 35%.
6. **(5 Points)** Write a DELETE statement that deletes the row in the **Categories** table that has an **ID** of 4. When you execute this statement, it will produce an error since the category has related rows in the **Products** table. To fix that, precede the DELETE statement with another DELETE statement that deletes all products in this category.
7. **(5 Points)** Write an INSERT statement that adds this row to the **Customers** table:

EmailAddress: rick@raven.com
Password: (empty string)
FirstName: Rick
LastName: Raven

Use a column list for this statement.

8. **(10 Points)** Write an UPDATE statement that modifies the **Customers** table. Change the password column to “secret” for the customer with an email address of rick@raven.com.
9. **(5 Points)** Write an UPDATE statement that modifies the **Customers** table. Change the password column to “reset” for every customer in the table.