 



Homework

* 1. : Updating Column Values and Deleting Rows

# 

# Vocabulary

Identify the vocabulary word for each definition below.

|  |  |
| --- | --- |
| UPDATE | Modifies existing rows in a table |
| Correlated subquery UPDATE | retrieves information from one table & uses the information to update another table |
| Integrity constraint | Ensures that the data adheres to a predefined set of rules |
| Correlated subquery DELETE | deletes information on a linked table based on what was deleted on the other table |
| DELETE | Removes existing rows from a table |

# Try It / Solve It

**NOTE: Copy tables in this section do not exist**

If any change is not possible, give an explanation as to why it is not possible.

1. Monique Tuttle, the manager of Global Fast Foods, sent a memo requesting an immediate change in prices. The price for a strawberry shake will be raised from $3.59 to $3.75, and the price for fries will increase to $1.20. Make these changes to the copy\_f\_food\_items table.

UPDATE copy\_f\_food\_items

SET price = 3.75

WHERE description = 'Strawberry Shake'

UPDATE copy\_f\_food\_items

SET price = 1.20

WHERE description = 'Fries'

1. Bob Miller and Sue Doe have been outstanding employees at Global Fast Foods. Management has decided to reward them by increasing their overtime pay. Bob Miller will receive an additional

$0.75 per hour and Sue Doe will receive an additional $0.85 per hour. Update the copy\_f\_staffs table to show these new values. (Note: Bob Miller currently doesn’t get overtime pay. What function do you need to use to convert a null value to 0?)

UPDATE copy\_f\_staffs

SET overtime\_rate = NVL(overtime\_rate, 0) + 0.75

WHERE first\_name = 'Sue' and last\_name = 'Doe'

UPDATE copy\_f\_staffs

SET overtime\_rate = NVL(overtime\_rate, 0) + 0.85

WHERE first\_name = 'Bob' and last\_name = 'Miller'

SELECT \*

FROM copy\_f\_staffs

1. Add the orders shown to the Global Fast Foods copy\_f\_orders table:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ORDER\_NUMBER | ORDER\_DATE | ORDER\_TOTAL | CUST\_ID | STAFF\_ID |
| 5680 | June 12, 2004 | 159.78 | 145 | 9 |
| 5691 | 09-23-2004 | 145.98 | 225 | 12 |
| 5701 | July 4, 2004 | 229.31 | 230 | 12 |

INSERT INTO copy\_f\_orders

(order\_number, order\_date, order\_total, cust\_id, staff\_id)

VALUES

(5680, TO\_DATE('June 12, 2004', 'fmMonth dd, yyyy'), 159.78, 145, 9)

INSERT INTO copy\_f\_orders

(order\_number, order\_date, order\_total, cust\_id, staff\_id)

VALUES

(5691, TO\_DATE('09-23-2004', 'fmMm-DD-YYYY'), 145.98, 225, 12)

INSERT INTO copy\_f\_orders

(order\_number, order\_date, order\_total, cust\_id, staff\_id)

VALUES

(5701, TO\_DATE('July 4, 2004', 'fmMonth DD, yyyy'), 229.31, 230, 12)

1. Add the new customers shown below to the copy\_f\_customers table. You may already have added Katie Hernandez. Will you be able to add all these records successfully?

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | FIRST\_ NAME | LAST\_ NAME | ADDRESS | CITY | STATE | ZIP | PHONE\_NUMBER |
| 145 | Katie | Hernandez | 92 Chico Way | Los Angeles | CA | 98008 | 8586667641 |
| 225 | Daniel | Spode | 1923  Silverado | Denver | CO | 80219 | 7193343523 |
| 230 | Adam | Zurn | 5 Admiral Way | Seattle | WA |  | 4258879009 |

INSERT INTO copy\_f\_customers

(id, first\_name, last\_name, address, city, state, zip, phone\_number)

VALUES (145,'Katie','Hermandez','92 Chico Way','Los Angeles','CA',98008, 8586667641)

INSERT INTO copy\_f\_customers

(id, first\_name, last\_name, address, city, state, zip, phone\_number)

VALUES (225,'Daniel','Spode','1923 Silverado','Denver','CO',80219, 7193343523)

INSERT INTO copy\_f\_customers

(id, first\_name, last\_name, address, city, state, zip, phone\_number)

VALUES (230,'Adam','Zurn','5 Admiral Way','Seattle','WA', NULL ,4258879009) ->eroare: **ORA-01400: cannot insert NULL into ("RO\_A849\_SQL\_S15"."COPY\_F\_CUSTOMERS"."ZIP")**

1. Sue Doe has been an outstanding Global Foods staff member and has been given a salary raise. She will now be paid the same as Bob Miller. Update her record in copy\_f\_staffs.

UPDATE copy\_f\_staffs

SET salary = (SELECT salary

FROM copy\_f\_staffs

WHERE first\_name = 'Bob' and last\_name = 'Miller')

WHERE first\_name = 'Sue' and last\_name = 'Doe';

1. Global Fast Foods is expanding their staff. The manager, Monique Tuttle, has hired Kai Kim. Not all information is available at this time, but add the information shown here.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ID | FIRST\_NAME | LAST\_NAME | BIRTHDATE | SALARY | STAFF\_TYPE |
| 25 | Kai | Kim | 3-Nov-1988 | 6.75 | Order Taker |

INSERT INTO copy\_f\_staffs

(id, first\_name, last\_name, birthdate, salary, staff\_type)

VALUES

(25,'Kai','Kim',TO\_DATE('3-Nov-1998','fmDD Month,yyyy'), 6.75,'Order Taker')

1. Now that all the information is available for Kai Kim, update his Global Fast Foods record to include the following: Kai will have the same manager as Sue Doe. He does not qualify for overtime. Leave the values for training, manager budget, and manager target as null.

UPDATE copy\_f\_staffs

SET manager\_id = (SELECT manager\_id

FROM copy\_f\_staffs

WHERE first\_name = 'Sue' and last\_name = 'Doe')

WHERE first\_name = 'Kai' and last\_name = 'Kim'

1. Execute the following SQL statement. Record your results.

DELETE from departments WHERE department\_id = 60;

SELECT \*

FROM copy\_departments

1. Kim Kai has decided to go back to college and does not have the time to work and go to school. Delete him from the Global Fast Foods staff. Verify that the change was made.

DELETE from copy\_f\_staffs

WHERE first\_name = 'Kai' and last\_name = 'Kim'

SELECT \*

FROM copy\_f\_staffs

1. Create a copy of the employees table and call it lesson7\_emp;

Once this table exists, write a correlated delete statement that will delete any employees from the lesson7\_employees table that also exist in the job\_history table.

CREATE TABLE lesson7\_emp

AS (SELECT \* FROM employees)

DELETE FROM lesson7\_emp

WHERE employee\_id IN (SELECT DISTINCT employee\_id

FROM job\_history)

SELECT \*

FROM lesson7\_emp