

Chapter 07 Database manipulation

Plantilla

a) INSERCIÓN

`INSERT INTO` nombre_tabla `VALUES` (' ', ' ',)

b) BORRADO

El comando DELETE permitirá eliminar una o varias filas de una tabla. La sintaxis del comando es simple si no limitamos el número de filas:

`DELETE FROM` nombre_tabla

Ej: `DELETE FROM` usuarios // borrará todos los usuarios de la tabla.

Si se quiere limitar el número de filas a borrar se utiliza la cláusula WHERE:

`DELETE FROM` nombre_tabla `WHERE` condición;

Ej: `DELETE FROM` usuarios `WHERE` dni="123456789";

c) ACTUALIZACIÓN

`UPDATE` nombre_tabla `SET` nuevo_valor_atributo `WHERE` condición;

Exercises from chapter 7 Database manipulation

1. Below, we show how each of the updates may be specified in SQL. Notice that some of these updates violate integrity constraints as discussed in the solution to chapter 03, and hence should be rejected if executed on the database of Figure 5.6.

- (a) Insert <'Sophia', 'M', 'Wood', '973442298', '1974-05-21', '23 S Lamar Blvd. Rd, Austin, TX', f, 62000, '222445555', 5> into EMPLOYEE.

`INSERT INTO EMPLOYEE VALUES ('Sophia', 'M', 'Wood', '973442298', '21-MAY-74', '23 S Lamar Blvd. Rd, Austin, TX', 'M', 62000, '222445555', 5)`

- (b) Insert <'6Sigma', 4, 'Austin', 4> into PROJECT.

`INSERT INTO PROJECT VALUES ('6Sigma', 4, 'Austin', 4)`

- (c) Insert <'Information Technology', 2, '987987987', '2007-10-01'> into DEPARTMENT.

`INSERT INTO DEPARTMENT VALUES ('Information Technology', 2, '987987987', '01-OCT-07')`

- (d) Insert <'777624972', 15, '40.0'> into WORKS_ON.

INSERT INTO WORKS_ON VALUES ('777624972', 15, 40.0)

(e) Insert <'888665555', 'John', 'M', null, 'Son'> into DEPENDENT.

INSERT INTO DEPENDENT VALUES ('888665555', 'John', M, NULL, 'SON')

(f) Delete the DEPENDENT tuples with Essn = '987654321'.

DELETE FROM DEPENDENT WHERE ESSN= '987654321'

(g) Delete the DEPARTMENT tuples with Dnumber = 5.

DELETE FROM DEPARMENT WHERE Dnumber= 5

(h) Delete the WORKS_ON tuples with Pno = 30.

DELETE FROM WORKS_ON WHERE Pno= 30

(i) Modify the Plocation and Dnum of the PROJECT tuples with Dnum = 5 to 'Houston' and 1, respectively.

UPDATE PROJECT SET Plocation = 'Houston', Dnum =1 WHERE Dnum= 5;

(j) Modify the Super_ssn attribute of the EMPLOYEE tuple with Ssn = '888665555' to null.

UPDATE EMPLOYEE SET Super_ssn = NULL WHERE Ssn= '888665555';

(k) Modify the Pnumber attribute of the PROJECT tuple with Pnumber = 30 to 40

UPDATE PROJECT SET Pnumber = 40 WHERE Pnumber= 30;