Nathan Hamilton

CSCD 327-01

Lab 6

1. UPDATE instructor

SET salary = salary \* 1.1

WHERE dept\_name = 'Comp. Sci.';

2. DELETE FROM course

WHERE course\_id NOT IN (SELECT course\_id

FROM section);

3. INSERT INTO instructor

SELECT ID, name, dept\_name, 10000

FROM student

WHERE tot\_cred > 100;

4. INSERT INTO course

VALUES ('CS-001', 'Computer Basis', 'Comp. Sci.', 2);

INSERT INTO section (course\_id, sec\_id, semester, year)

VALUES ('CS-001', 1, 'Winter', 2018);

INSERT INTO takes (ID, course\_id, sec\_id, semester, year)

SELECT ID, course\_id, sec\_id, semester, year

FROM student, section

WHERE dept\_name = 'Comp. Sci.' AND course\_id = 'CS-001';

5. DELETE FROM takes

WHERE ID = (SELECT ID

FROM student

WHERE name = 'Zhang')

AND course\_id = (SELECT course\_id

FROM section

WHERE course\_id = 'CS-001');

6. DELETE FROM takes

WHERE course\_id = (SELECT course\_id

FROM course

WHERE lower(title) LIKE '%database%');

7. UPDATE student s

SET tot\_cred = (SELECT sum(credits)

FROM course NATURAL JOIN takes t

WHERE grade != 'F' AND grade IS NOT null AND s.ID = t.ID);

|  |  |  |  |
| --- | --- | --- | --- |
| 00128 | Zhang | Comp. Sci. | 4 |
| 12345 | Shankar | Comp. Sci. | 11 |
| 19991 | Brandt | History | 3 |
| 23121 | Chavez | Finance | 3 |
| 44553 | Peltier | Physics | 4 |
| 45678 | Levy | Physics | 7 |
| 54321 | Williams | Comp. Sci. | 8 |
| 55739 | Sanchez | Music | 3 |
| 70557 | Snow | Physics |  |
| 76543 | Brown | Comp. Sci. | 7 |
| 76653 | Aoi | Elec. Eng. | 3 |
| 98765 | Bourikas | Elec. Eng. | 7 |
| 98988 | Tanaka | Biology | 4 |
|  |  |  |  |

8. CREATE TABLE STORE\_REPS

(Rep\_ID INT(5) PRIMARY KEY,

Last VARCHAR(15),

First VARCHAR(10),

Comm CHAR(1) DEFAULT 'Y');

9. ALTER TABLE STORE\_REPS MODIFY Last VARCHAR(15) NOT NULL,

MODIFY First VARCHAR(10) NOT NULL;

10. CREATE TABLE BOOK\_STORES

(Store\_ID INT(8) PRIMARY KEY,

Name VARCHAR(30) UNIQUE NOT NULL,

Contact VARCHAR(20),

Rep\_ID INT(5));

11. ALTER TABLE BOOK\_STORES

ADD FOREIGN KEY (Rep\_ID)

REFERENCES STORE\_REPS(Rep\_ID)

ON DELETE CASCADE;

12. CREATE TABLE REP\_CONTRACTS

(Store\_ID INT(8),

Name INT(5),

Quarter CHAR(3),

Rep\_ID INT(5),

FOREIGN KEY (Store\_ID)

REFERENCES BOOK\_STORES(Store\_ID),

FOREIGN KEY (Rep\_ID)

REFERENCES STORE\_REPS(Rep\_ID),

PRIMARY KEY (Rep\_ID, Store\_ID, Quarter));