

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));