Raymond Shiner

Lab 6

1.

update instructor set salary = salary + (salary/10)

where dept\_name = 'Comp. Sci.'

2.

set sql\_safe\_updates = 0;

delete from course

where course\_id not in (select course\_id from section);

set sql\_safe\_updates = 1;

3.

insert into instructor (ID, name, dept\_name, salary)

select ID, name, dept\_name, 10000

from student

where tot\_cred > 100

4.

insert into course

values ('CS-001', 'Computer Basics', '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, 'CS-001', 1, 'Winter', 2018

from student

where dept\_name = 'Comp. Sci.'

5.

Delete from takes

where course\_id = 'CS-001'

and sec\_id = 1

and semester = 'Winter'

and ID = (select ID from student where name = 'Zhang')

6.

delete from takes

where course\_id = (select course\_id

from course

where title like '%database%')

7.

set sql\_safe\_updates = 0;

update student

set tot\_cred =

(select sum(credits) from

(select credits, ID as studentNum

from takes natural join course

where grade is not null

and grade != 'F') a

group by studentNum

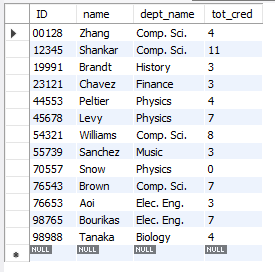
having a.studentNum = student.ID);

update student

set tot\_cred = 0

where tot\_cred is null;

set sql\_safe\_updates = 1;



8.

CREATE TABLE STORE\_REPS (

Rep\_ID INT(5),

Last VARCHAR(15),

First VARCHAR(10),

Comm CHAR(1) Default 'Y',

Primary Key (Rep\_ID) );

9.

alter table STORE\_REPS

modify Last varchar(15) not null;

alter table STORE\_REPS

modify First varchar(10) not null;

10.

Create table BOOK\_STORES (

Store\_ID int(8),

Name varchar(30) not null unique,

Contact varchar(20),

Rep\_ID int(5),

Primary Key (Store\_ID) );

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),

Primary Key (Rep\_ID, Store\_ID, Quarter),

Foreign Key (Store\_ID) references BOOK\_STORES(Store\_ID),

Foreign Key (Rep\_ID) references STORE\_REPS(Rep\_ID)

);