DBS301 Mid-term Test #2

1.a

create table twtempUSdepartments AS (

Select d.department\_id,

d.department\_name,

e.firstname || ' ' || e.lastname,

l.city,

l.state\_provice

from departments d

Full Join locations l using (location\_id)

Full JOin employees e using (department\_id)

Where Upper (country\_id) = 'US');

Select \* from t2tempUSdepartments;

1.b

select distinct city from locations where upper(country\_id) = 'US'

Union ALL

Select distinct city from locations where upper(country\_id) = 'CA'

Union ALL

Select \* from (

select distinct city

from locations

where upper(country\_id) Not IN ('CA', 'US')

Order by city);

select city

from locations order by decode(country\_id, 'CA', 1, 'US', 2), city

2.

Alter table locations

ADD constrint location\_country\_fk Foreign KEY (country\_id)

References countries(country\_id);

3.

insert int ocountries values('ES', 'Spain', 1);

insert into locations values(98,2000 Simcoe St. N', L1G0c5', Oshawa, 'ON', 'CA');

(second insert)

4.

Commit;

update t2BankAccounts

set account\_balance = account\_balance -450 --withdrawl happens first

Where account\_number = 4567; --has to be account number

savepoint withdrawal;

update t2BankAccounts

set account\_balance = account\_balance + 450 --unless there is error msg, everything will run, even if it does nothing

where account\_number = 4561;

savepoint deposit;

--transaction fails due to insufficient funds in the S account

rollback;

5.

create dat coach

create datclient

create datcourse

creat datclass

addFK for coursecode to datCourse

create jncClassStudents

Add FK for clientID to datClient

Add FK for classCode to datClass

create jncCoach Classess

Add fk for coachID to dat Coach

Add FK for for classCode to datClass

6.

create table jncCoachClassess(

teachingID integer primary key,

coachID integer

classCode Integer,

Role VarChar(20));

Alter table jncCoachClasses

Add Constranint jncCoachClasses\_coachID\_FK Foreign Key coachID References datCoach(coachID);

Alter table jncCoachClasses

Add Constraint jncCoachClasses\_FlassCode\_FK Foreign Key classCode References datClass(classCode);