**ITS 26000 – Applied Database Tech**

**Lab 05 – (100 points)**

**Note: Before you do the exercises of Lab 4, please reload the database scripts.**

**Use SQL to complete the following exercises.**

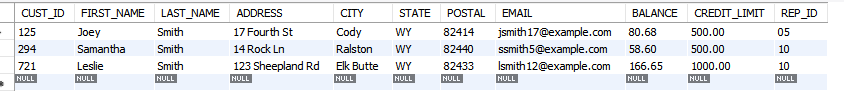
### KimTay Pet Supplies:

* 1. Update the credit\_limit of customers whose last name is ‘smith’ to 750.00 (5 points)

UPDATE kimtay.customer

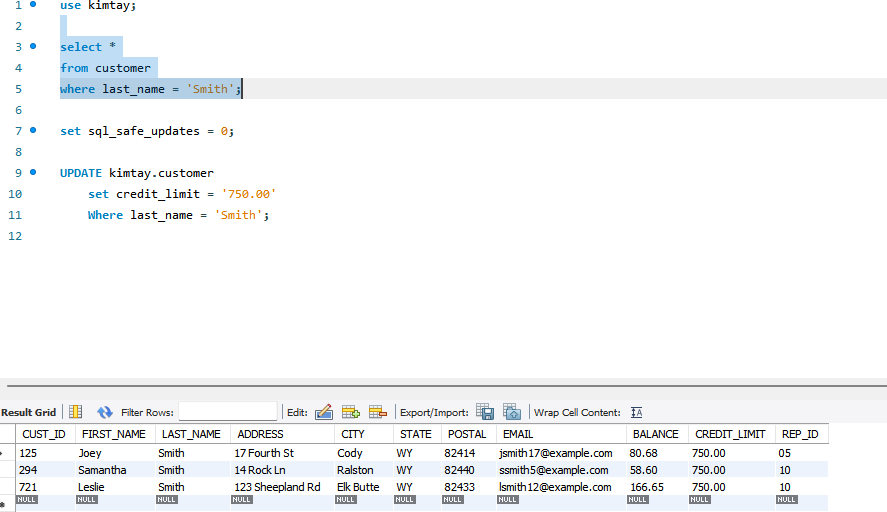
set credit\_limit = '750.00'

Where last\_name = 'Smith';



텍스트이(가) 표시된 사진

자동 생성된 설명

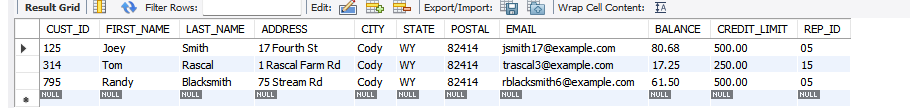


* 1. Delete the records of customers who live in ‘cody’ city. (5 points)

delete

from customer

where city = 'Cody';



텍스트이(가) 표시된 사진

자동 생성된 설명

* 1. Delete the REP table. (5 points)

drop table sales\_rep;

테이블이(가) 표시된 사진

자동 생성된 설명

* 1. List the item ID, description, and price for all items. (5 points)

Select Item\_ID, description, price

From item

테이블이(가) 표시된 사진

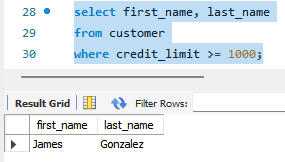
자동 생성된 설명

* 1. List the first and last names of customers with credit limits of $1,000 or more. (5 points)

select first\_name, last\_name

from customer

where credit\_limit >= 1000;



* 1. List the order number for each order placed by customer number 125 on 11/15/2021. (Hint: If you need help, use the discussion of the DATE data type in Figure 3-19 in Module 3.) (10 points)

select invoice\_num

from invoices

where CUST\_ID = '125' and INVOICE\_DATE = '2021-11-15';

텍스트이(가) 표시된 사진

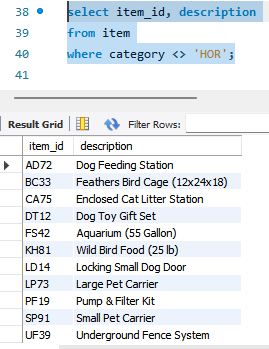
자동 생성된 설명

* 1. List the item ID and description of each item that is not in category HOR. (5 points)

select item\_id, description

from item

where category <> 'HOR';



* 1. List the item ID, description, and number of units on hand for each item that has between 10 and 30 units on hand, including both 10 and 30. Provide two alternate SQL statements to produce the same results. (10 points)

1. select item\_id, description, on\_hand

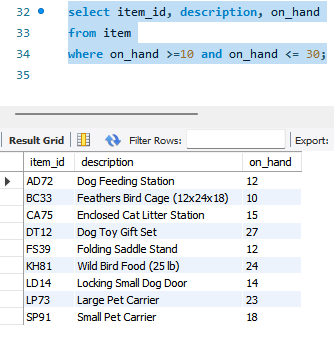
from item

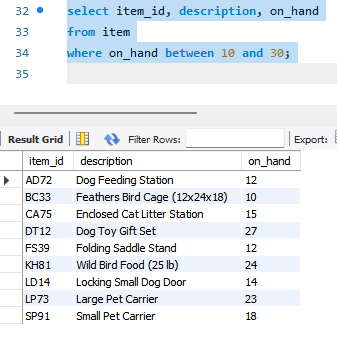
where on\_hand between 10 and 30;

1. select item\_id, description, on\_hand

from item

where on\_hand >=10 and on\_hand <=30;





1. StayWell Student Accommodation:
   1. Update the following information for office whose office\_num is 2:

Area: Redmond; Office\_name: StayWell-Redmond (10 points)

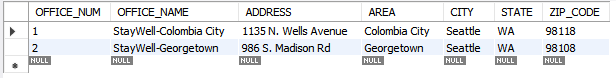
update staywell.office

set area = 'Redmond', Office\_name = 'Staywell-Redmond'

where office\_num = 2;

before

텍스트이(가) 표시된 사진

자동 생성된 설명after

* 1. Delete the records of the residents who live in the property with PROPERTY\_ID 2. (5 points)

delete from residents

where property\_id = 2;

Before

테이블이(가) 표시된 사진

자동 생성된 설명

After

테이블이(가) 표시된 사진

자동 생성된 설명

* 1. Delete the SUMMER\_SCHOOL\_RENTALS table. (5 points)
* Summer\_school\_rentals table does not exist.

drop table summer\_school\_rentals;



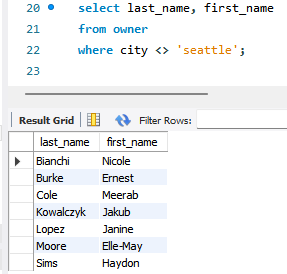


* 1. List the last name and first name of every owner who does not live in Seattle. (5 points)

select last\_name, first\_name

from owner

where city <> 'seattle';



* 1. List the property ID and office number for every property whose square footage is equal to or less than 1,400 square feet. (5 points)

select property\_id, office\_num

from property

where sqr\_ft <= 1400;

테이블이(가) 표시된 사진

자동 생성된 설명

* 1. List the property ID for every property with two bedrooms that is managed by StayWell-Georgetown. (10 points) -> reloaded original database because ‘StayWell-Georgetown’ was changed to ‘StayWell-Redmond’ for above question.

select property\_ID

from property, office

where bdrms = '2' and property.office\_num = office.office\_num and office\_name = 'StayWell-Georgetown';

텍스트이(가) 표시된 사진

자동 생성된 설명

* 1. What WHERE clause would you use to find all service requests with the word “heating” anywhere in the description field? (10 points)

You would use where description like ‘%heating%’

select \*

from service\_request

where description like '%heating%';

텍스트이(가) 표시된 사진

자동 생성된 설명

**Deliverables**: Document Report with the SQL statement/Query and snapshot of query, its execution and results. Either word or pdf file need to be uploaded into Brightspace in one submission