**ITS 26000 – Applied Database Tech**

**Lab 06 – (100 points)**

**Note: Before you do the exercises of Lab 6, please reload the database scripts.**

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

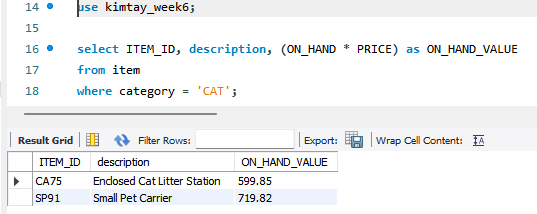
### KimTay Pet Supplies:

* 1. List the item ID, description, and on-hand value (units on hand \* unit price) of each item in category CAT. (On-hand value is technically units on hand \* cost, but there is no COST Column in the ITEM table.) Assign the name ON\_HAND\_VALUE to the computed column. (10 points)

select ITEM\_ID, description, (ON\_HAND \* PRICE) as ON\_HAND\_VALUE

from item

where category = 'CAT';



* 1. Use the IN operator to list the item ID and description of each item in category FSH or BRD. (5 points)

select item\_id, description

from item

where category IN ('FSH', 'BRD');

텍스트이(가) 표시된 사진

자동 생성된 설명

* 1. Find the ID, first name, and last name of each customer whose first name begins with the letter “S.” (5 points)

select cust\_id, first\_name, last\_name

from customer

where first\_name LIKE 'S%';

텍스트이(가) 표시된 사진

자동 생성된 설명

* 1. How many customers have balances that are more than their credit limits? (10 points)

select count(cust\_id)

from customer

where balance > credit\_limit;

텍스트이(가) 표시된 사진

자동 생성된 설명

* 1. List the item ID, description, and on-hand value of each item whose number of units on hand is more than the average number of units on hand for all items. (Hint: Use a subquery.) (10 points)

select item\_id, description, on\_hand \* price, on\_hand

from item

where on\_hand > (select avg(on\_hand)

from item);

테이블이(가) 표시된 사진

자동 생성된 설명

* 1. List the sum of the balances of all customers for each sales rep but restrict the output to those sales reps for which the sum is more than $150. Order the results by sales rep ID.v (10 points)

select sum(balance)

from customer

group by rep\_id

having sum(balance) > '150'

order by rep\_ID;

텍스트이(가) 표시된 사진

자동 생성된 설명

* 1. List the item ID and description of all items that are in the DOG or CAT category and contain the word “Small” in the description. (10 points)

select item\_id, description

from item

where category IN ('DOG', 'CAT') and description like '%small%';

텍스트이(가) 표시된 사진

자동 생성된 설명

1. StayWell Student Accommodation:
2. List the property ID for every property managed by StayWell-Columbia City whose monthly rent is less than $1,500. (10 points)

select property\_id

from property

where monthly\_rent < '1500' and office\_num =

(select office\_num

from office

where office\_name = 'StayWell-Colombia City');

텍스트이(가) 표시된 사진

자동 생성된 설명

1. List the owner number and last name for all owners who live in Nevada (NV), Oregon (OR), or Idaho (ID). (10 points)

select owner\_num, last\_name

from owner

where state in ('NV', 'OR', 'ID');

텍스트이(가) 표시된 사진

자동 생성된 설명

1. How many three-bedroom properties are managed by each office? (10 points)

select office\_num, (property\_id)

from property

where bdrms = 3

group by office\_num;

텍스트이(가) 표시된 사진

자동 생성된 설명

1. Calculate the total value of monthly rents for all properties. (10 points)

select sum(monthly\_rent)

from property;

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