**IST 659 – Quiz 2**

Q1: What is the Maximum and Minimum price of the Computers?

**Query**

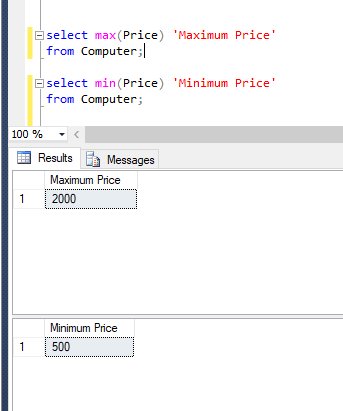
select max(Price) 'Maximum Price'

from Computer;

select min(Price) 'Minimum Price'

from Computer;

**Result**



Q2: Count the number of computers in each type of manufactured item (HP, Dell, Lenovo).

Show item\_manuf and number of computers, the result should be presented in ascending order of the number of computers.

**Query**

select item\_manuf, count(i.Item\_ID) 'Number of Computers'

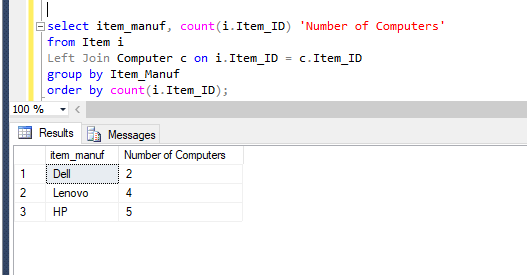
from Item i

Left Join Computer c on i.Item\_ID = c.Item\_ID

group by Item\_Manuf

order by count(i.Item\_ID);

**Result**



Q3: Show all the users who have computer loans that were returned before 2015-04-12.

Your results should include user\_FName, user\_LName, Email, comp\_id, loan start\_date, and Date\_Returned.

**Query**

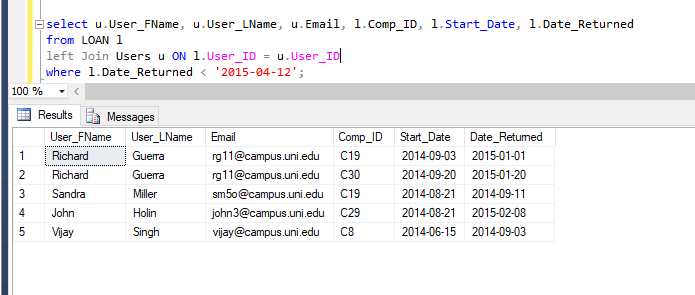
select u.User\_FName, u.User\_LName, u.Email, l.Comp\_ID, l.Start\_Date, l.Date\_Returned

from LOAN l

left Join Users u ON l.User\_ID = u.User\_ID

where l.Date\_Returned < '2015-04-12';

**Result**



Q4: Show the details of the users who have not made any computer loans

**Query**

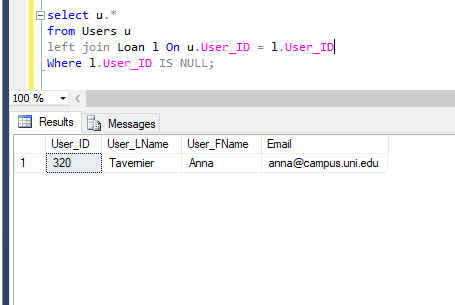
select u.\*

from Users u

left join Loan l On u.User\_ID = l.User\_ID

Where l.User\_ID IS NULL;

**Result**



Q5: Show the total number of computers in each building and the average prices of those computers. Return the Loc\_Bldg, the number of computers, average prices

**Query**

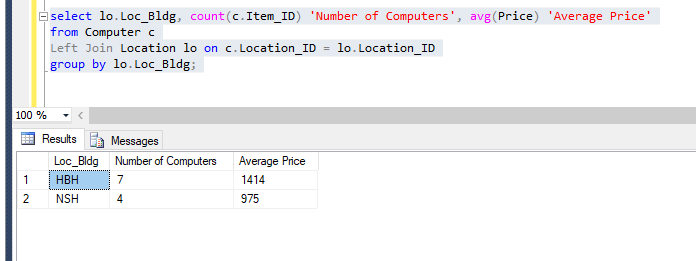
select lo.Loc\_Bldg, count(c.Item\_ID) 'Number of Computers', avg(Price) 'Average Price'

from Computer c

Left Join Location lo on c.Location\_ID = lo.Location\_ID

group by lo.Loc\_Bldg;

**Result**



Q6: Which computer model is loaned for less than 4 times (<4)? Show the Item\_Model and the total number of loans of that computer model

**Query**

select Item\_Model, count(l.Comp\_ID) 'Number of Loans'

from Item i

Inner Join Computer c on i.Item\_ID = c.Item\_ID

Inner Join Loan l on c.Comp\_ID = l.Comp\_ID

group by Item\_Model

Having count(l.Comp\_ID)< 4;

**Result**

