**Unsold listing based off of ISBN or TITLE or AUTHOR. (Left out ISSOLD and Transaction** **Date column)**

**ISBN:**

select l.LISTINGID,l.PRICE, l.CONDITION,l.EMAIL,i.TITLE,i.AUTHOR,i.ISBN

from LISTING l, ITEM i

where l.ISSOLD='F' and

l.ISBN='*//INSERT ISBN HERE//*' and

i.ISBN=l.ISBN;

**AUTHOR:**

select l.LISTINGID,l.PRICE, l.CONDITION,l.EMAIL,i.TITLE,i.AUTHOR,i.ISBN

from LISTING l, ITEM i

where l.ISSOLD='F' and

i.AUTHOR='*//INSERT AUTHOR HERE//*' and

i.ISBN=l.ISBN;

**TITLE:**

select l.LISTINGID,l.PRICE, l.CONDITION,l.EMAIL,i.TITLE,i.AUTHOR,i.ISBN

from LISTING l, ITEM i

where l.ISSOLD='F' and

i.TITLE='*//INSERT TITLE HERE//*' and

i.ISBN=l.ISBN;

**Range Fix Example:**

select \*

from (select x.\*,rownum rnum

from(select i.TITLE, a.FIRST\_NAME,a.LAST\_NAME, i.AUTHOR,i.ISBN,l.PRICE

from ACCOUNT a, ITEM i, LISTING l

where a.EMAIL=l.EMAIL and

i.ISBN=l.ISBN and

l.ISSOLD='F'

order by i.TITLE asc)x

where rownum<=48)

where rnum>24;

**Range Fix Generalization:**

select \*

from (select x.\*,rownum rnum

from(*//INSERT YOUR QUERY HERE//*)x

where rownum<=48)

where rnum>24;

**Query for average price of a listing given ISBN:**

select i.ISBN, avg(l.price) as "Average Price"

from ITEM i, LISTING l

where i.ISBN=l.ISBN and

i.ISBN='*//INSERT ISBN HERE//*'

group by i.ISBN;

**Most Popular Textbook:**

select \*

from (select i.TITLE, count(\*) as NumberSold

from ITEM i, LISTING l

where i.ISBN = l.ISBN and

l.ISSOLD='T'

group by i.TITLE

order by NumberSold desc )

where rownum=1;

**Least Popular Textbook:**

select \*

from (select i.TITLE, count(\*) as NumberSold

from ITEM i, LISTING l

where i.ISBN = l.ISBN and

l.ISSOLD='T'

group by i.TITLE

order by NumberSold asc)

where rownum=1;

**Most Expensive Textbook:**

select \*

from (select i.TITLE, l.PRICE

from ITEM i, LISTING l

where i.ISBN = l.ISBN and

l.ISSOLD='T'

order by l.PRICE desc)

where rownum=1;

**Least Expensive Textbook:**

select \*

from (select i.TITLE, l.PRICE

from ITEM i, LISTING l

where i.ISBN = l.ISBN and

l.ISSOLD='T'

order by l.PRICE asc)

where rownum=1;

**Count of unsold listings over a year (None of the listings have a published date)**

select count(\*) as "Number of Unsold Books"

from LISTING

where ISSOLD='F';

**Query for Top 10 users with the highest count of sold items. What are their earnings:**

select\*

From (select a.Email, count(\*) as NumberSold, sum(l.PRICE) as TotalEarnings

From LISTING l, ACCOUNT a

Where a.Email = l.Email and

l.ISSOLD='T'

Group by a.Email

Order by NumberSold desc)

Where rownum<=10;

**Average change in price from one condition to another:**

select (likenew.x-perfect.x) as "Perfect to Like New", (verygood.x-likenew.x) as "Like New to Very Good", (good.x-verygood.x) as "Very Good to Good", (acceptable.x-good.x) as "Good to Acceptable"

from(select round(avg(PRICE),2)as x

from LISTING

where CONDITION='Perfect')perfect,

(select round(avg(PRICE),2)as x

from LISTING

where CONDITION='Like New')likenew,

(select round(avg(PRICE),2)as x

from LISTING

where CONDITION='Very Good')verygood,

(select round(avg(PRICE),2)as x

from LISTING

where CONDITION='Good')good,

(select round(avg(PRICE),2)as x

from LISTING

where CONDITION='Acceptable')acceptable;