*Victor Martinez Castro* ITI-2180 Foundations of Data and Database Management

**Problem A**

SELECT

COUNT(title) "COOKING CATEGORY"

FROM

books

WHERE

category LIKE 'COOKING';

COOKING CATEGORY

----------------

2

**Problem B**

SELECT

COUNT(isbn) "$30+ BOOKS"

FROM

books

WHERE

retail > 30.00;

$30+ BOOKS

----------

8

**Problem C**

SELECT

MAX(pubdate) "RECENT"

FROM

books;

RECENT

---------

11-NOV-16

**Problem D**

SELECT

SUM((paideach - cost) \* quantity) profit

FROM

orders

JOIN orderitems USING ( order# )

JOIN books USING ( isbn )

WHERE

customer# = 1017;

PROFIT

----------

55.28

**Problem E**

SELECT

MIN(retail)

FROM

books

WHERE

category = 'COOKING';

MIN(RETAIL)

-----------

19.95

**Problem F**

SELECT

to\_char(AVG(SUM((paideach - cost) \* quantity)),

'$999.99') profit

FROM

books

JOIN orderitems USING ( isbn )

JOIN orders USING ( order# )

GROUP BY

order#

ORDER BY

order#;

PROFIT

--------

$31.94

**Problem G**

SELECT

customer#,

COUNT(order#)

FROM

orders

GROUP BY

customer#;

CUSTOMER# COUNT(ORDER#)

---------- -------------

1019 1

1017 1

1014 1

1011 1

1007 2

1004 1

1008 1

1010 2

1018 2

1005 2

1001 2

CUSTOMER# COUNT(ORDER#)

---------- -------------

1015 1

1020 2

1003 2

14 rows selected.

**Problem H**

SELECT

name,

AVG(retail)

FROM

publisher

JOIN books USING ( pubid )

GROUP BY

name

HAVING

AVG(retail) > 50

ORDER BY

name;

NAME AVG(RETAIL)

----------------------- -----------

AMERICAN PUBLISHING 52.3

PUBLISH OUR WAY 57.225

**Problem I**

SELECT DISTINCT

firstname,

order#,

SUM(quantity \* paideach) "ORDER AMOUNT"

FROM

orderitems

JOIN orders USING ( order# )

JOIN customers USING ( customer# )

WHERE

state IN ( 'GA', 'NJ' )

GROUP BY

firstname,

order#

HAVING

SUM(quantity \* paideach) > 70;

FIRSTNAME ORDER# ORDER AMOUNT

---------- ---------- ------------

JAKE 1001 117.4

JAKE 1011 85.45

KENNETH 1004 170.9

**Problem J**

SELECT

MAX(retail)

FROM

books

JOIN publisher USING ( pubid )

WHERE

name = 'AMERICAN PUBLISHING';

MAX(RETAIL)

-----------

75.95