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

**Problem A**

SELECT

title,

retail

FROM

books

WHERE

retail < (

SELECT

AVG(retail)

FROM

books

);

TITLE RETAIL

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

BODYBUILD IN 10 MINUTES A DAY 30.95

REVENGE OF MICKEY 22

COOKING WITH MUSHROOMS 19.95

HANDCRANKED COMPUTERS 25

THE WOK WAY TO COOK 28.75

BIG BEAR AND LITTLE DOVE 8.95

HOW TO GET FASTER PIZZA 29.95

HOW TO MANAGE THE MANAGER 31.95

SHORTEST POEMS 39.95

9 rows selected.

**Problem B**

SELECT

title,

category,

cost

FROM

books

WHERE

cost < (

SELECT

AVG(cost)

FROM

books

)

AND category = 'COMPUTER';

TITLE CATEGORY COST

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

HANDCRANKED COMPUTERS COMPUTER 21.8

**Problem C**

SELECT

order#

FROM

orders

WHERE

shipstate = (

SELECT

shipstate

FROM

orders

WHERE

order# = 1014

);

ORDER#

----------

1007

1014

**Problem D**

SELECT

order#,

SUM(quantity \* paideach) "ORDER TOTAL"

FROM

orderitems

HAVING

SUM(quantity \* paideach) > (

SELECT

SUM(quantity \* paideach)

FROM

orderitems

WHERE

order# = 1008

)

GROUP BY

order#;

ORDER# ORDER TOTAL

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

1001 117.4

1002 111.9

1003 106.85

1004 170.9

1005 39.95

1006 54.5

1007 335.85

1009 41.95

1010 55.95

1011 85.45

1012 166.4

ORDER# ORDER TOTAL

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

1013 55.95

1014 44

1016 85.45

1018 75.9

15 rows selected.

**Problem E**

SELECT fname|| ' ' || lname name

FROM author join bookauthor using (authorid)

WHERE isbn IN

(SELECT isbn

FROM orderitems

GROUP BY isbn

HAVING sum(quantity) =

(SELECT MAX(COUNT(\*))

FROM orderitems

GROUP BY isbn));

NAME

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JAMES AUSTIN

JUAN ADAMS

TINA PETERSON

**Problem F**

SELECT

title,

retail

FROM

books

group by title, retail

HAVING

retail = (

SELECT

MAX(retail)

FROM

books

JOIN publisher USING ( pubid )

WHERE

name = 'AMERICAN PUBLISHING'

);

TITLE RETAIL

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HOLY GRAIL OF ORACLE 75.95