*Edson Sanchez* CIT/ITI-2180 Foundations of Data and Database Management

**11-1**

SELECT

category,

COUNT(title) "NUM OF BOOKS"

FROM

books

GROUP BY

category;

CATEGORY NUM OF BOOKS

COMPUTER 4

COOKING 2

CHILDREN 2

LITERATURE 1

BUSINESS 1

FITNESS 1

FAMILY LIFE 2

SELF HELP 1

8 rows selected.

**11-2**

SELECT

COUNT(title) "Num of books over $30"

FROM

books

WHERE

retail > 30;

Num of books over $30

8

**11-3**

SELECT

MAX(pubdate) "Most Recent Pubdate"

FROM

books;

Most Recent Pubdate

11-NOV-06

**11-4**

SELECT

to\_char(SUM( (paideach - cost) \* quantity), '$999.99') "Total Profit"

FROM

orders

JOIN orderitems USING ( order# )

JOIN books USING ( isbn )

WHERE

customer# = 1017;

Total Profit

$55.28

**11-5**

SELECT

MIN(retail)

FROM

books

WHERE

category = 'COMPUTER';

MIN(RETAIL)

25

**11-6**

SELECT

TO\_CHAR(round(AVG(SUM( (paideach - cost) \* quantity) ),2),'$999.99') "AVERAGE PROFIT"

FROM

orders

JOIN orderitems USING ( order# )

JOIN books USING ( isbn )

GROUP BY

order#;

AVERAGE PROFIT

$31.94

**11-7**

SELECT

customer#,

COUNT(order#) "# of Orders"

FROM

orders

GROUP BY

customer#

ORDER BY

customer#;

CUSTOMER# # of Orders

1001 2

1003 2

1004 1

1005 2

1007 2

1008 1

1010 2

1011 1

1014 1

1015 1

1017 1

1018 2

1019 1

1020 2

14 rows selected.

**11-8**

SELECT

name "PUBLISHER NAME",

category,

TO\_CHAR(AVG(retail),'$999.99') "AVERAGE RETAIL"

FROM

books

JOIN publisher USING ( pubid )

WHERE

category IN (

'COMPUTER',

'CHILDREN'

)

GROUP BY

name,

category

HAVING

AVG(retail) > 50;

PUBLISHER NAME CATEGORY AVERAGE RETAIL

PUBLISH OUR WAY CHILDREN $59.95

PUBLISH OUR WAY COMPUTER $54.50

AMERICAN PUBLISHING COMPUTER $52.30

**11-9**

SELECT DISTINCT

firstname

|| ', '

|| lastname "Customers"

FROM

customers

JOIN orders USING ( customer# )

JOIN orderitems USING ( order# )

WHERE

state = 'FL'

OR state = 'GA'

GROUP BY

order#,

firstname,

lastname

HAVING

SUM(paideach \* quantity) > 80;

Customers

JAKE, LUCAS

LEILA, SMITH

BONITA, MORALES

**11-10**

SELECT

MAX(retail)

FROM

books

JOIN bookauthor USING ( isbn )

JOIN author USING ( authorid )

WHERE

lname = 'WHITE'

AND fname = 'LISA';

MAX(RETAIL)

39.95