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

**Problem A**

SELECT

initcap(firstname

|| ' '

|| lastname) "Customer Name"

FROM

customers;

Customer Name

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

Bonita Morales

Ryan Thompson

Leila Smith

Thomas Pierson

Cindy Girard

Meshia Cruz

Tammy Giana

Kenneth Jones

Jorge Perez

Jake Lucas

Reese Mcgovern

Customer Name

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

William Mckenzie

Nicholas Nguyen

Jasmine Lee

Steve Schell

Michell Daum

Becca Nelson

Greg Montiasa

Jennifer Smith

Kenneth Falah

20 rows selected.

**Problem B**

SELECT

firstname

|| ' '

|| lastname "Customer Name",

nvl2(referred, 'REFERRED', 'NOT REFERRED') "Referred?"

FROM

customers;

Customer Name Referred?

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

BONITA MORALES NOT REFERRED

RYAN THOMPSON NOT REFERRED

LEILA SMITH NOT REFERRED

THOMAS PIERSON NOT REFERRED

CINDY GIRARD NOT REFERRED

MESHIA CRUZ NOT REFERRED

TAMMY GIANA REFERRED

KENNETH JONES NOT REFERRED

JORGE PEREZ REFERRED

JAKE LUCAS NOT REFERRED

REESE MCGOVERN NOT REFERRED

Customer Name Referred?

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

WILLIAM MCKENZIE NOT REFERRED

NICHOLAS NGUYEN REFERRED

JASMINE LEE NOT REFERRED

STEVE SCHELL NOT REFERRED

MICHELL DAUM REFERRED

BECCA NELSON NOT REFERRED

GREG MONTIASA NOT REFERRED

JENNIFER SMITH REFERRED

KENNETH FALAH NOT REFERRED

20 rows selected.

**Problem C**

SELECT

title,

to\_char(SUM((retail - cost) \* quantity),

'$999.99') "PROFIT"

FROM

books

JOIN orderitems USING ( isbn )

WHERE

order# = 1002

GROUP BY

title;

TITLE PROFIT

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

DATABASE IMPLEMENTATION $49.10

**Problem D**

SELECT

title,

concat(round(to\_char(((retail - cost) / cost) \* 100),

0),

'%') profit

FROM

books;

TITLE PROFIT

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

BODYBUILD IN 10 MINUTES A DAY 65%

REVENGE OF MICKEY 55%

BUILDING A CAR WITH TOOTHPICKS 59%

DATABASE IMPLEMENTATION 78%

COOKING WITH MUSHROOMS 60%

HOLY GRAIL OF ORACLE 61%

HANDCRANKED COMPUTERS 15%

E-BUSINESS THE EASY WAY 44%

PAINLESS CHILD-REARING 87%

THE WOK WAY TO COOK 51%

BIG BEAR AND LITTLE DOVE 68%

TITLE PROFIT

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

HOW TO GET FASTER PIZZA 68%

HOW TO MANAGE THE MANAGER 107%

SHORTEST POEMS 83%

14 rows selected.

**Problem E**

SELECT

to\_char(current\_date, 'DAY HH:MM:SS PM') "CURRENT DATE AND TIME"

FROM

dual;

CURRENT DATE AND TIME

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

THURSDAY 10:11:25 PM

**Problem F**

SELECT

title,

lpad(cost, 12, '\*') cost

FROM

books;

TITLE COST

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

BODYBUILD IN 10 MINUTES A DAY \*\*\*\*\*\*\*18.75

REVENGE OF MICKEY \*\*\*\*\*\*\*\*14.2

BUILDING A CAR WITH TOOTHPICKS \*\*\*\*\*\*\*\*37.8

DATABASE IMPLEMENTATION \*\*\*\*\*\*\*\*31.4

COOKING WITH MUSHROOMS \*\*\*\*\*\*\*\*12.5

HOLY GRAIL OF ORACLE \*\*\*\*\*\*\*47.25

HANDCRANKED COMPUTERS \*\*\*\*\*\*\*\*21.8

E-BUSINESS THE EASY WAY \*\*\*\*\*\*\*\*37.9

PAINLESS CHILD-REARING \*\*\*\*\*\*\*\*\*\*48

THE WOK WAY TO COOK \*\*\*\*\*\*\*\*\*\*19

BIG BEAR AND LITTLE DOVE \*\*\*\*\*\*\*\*5.32

TITLE COST

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

HOW TO GET FASTER PIZZA \*\*\*\*\*\*\*17.85

HOW TO MANAGE THE MANAGER \*\*\*\*\*\*\*\*15.4

SHORTEST POEMS \*\*\*\*\*\*\*21.85

14 rows selected.

**Problem G**

SELECT UNIQUE

LENGTH(isbn)

FROM

books;

LENGTH(ISBN)

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

10

**Problem H**

SELECT

title,

fname

|| ' '

|| lname "AUTHOR NAME",

to\_char(pubdate, 'YYYY/MM/DD') pubdate

FROM

author

JOIN bookauthor USING ( authorid )

JOIN books USING ( isbn )

ORDER BY

pubdate DESC;

TITLE AUTHOR NAME PUBDATE

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

HOW TO GET FASTER PIZZA SAM SMITH 2016/11/11

BUILDING A CAR WITH TOOTHPICKS TAMARA KZOCHSKY 2016/03/18

E-BUSINESS THE EASY WAY JANICE JONES 2016/03/01

HOLY GRAIL OF ORACLE JAMES AUSTIN 2015/12/31

REVENGE OF MICKEY JANICE JONES 2015/12/14

BIG BEAR AND LITTLE DOVE ROBERT ROBINSON 2015/11/08

SHORTEST POEMS LISA WHITE 2015/05/01

BODYBUILD IN 10 MINUTES A DAY LISA PORTER 2015/01/21

BODYBUILD IN 10 MINUTES A DAY SAM SMITH 2015/01/21

HANDCRANKED COMPUTERS LISA WHITE 2015/01/21

HANDCRANKED COMPUTERS WILLIAM WHITE 2015/01/21

TITLE AUTHOR NAME PUBDATE

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

THE WOK WAY TO COOK SAM SMITH 2014/09/11

PAINLESS CHILD-REARING JACK BAKER 2014/07/17

PAINLESS CHILD-REARING OSCAR FIELDS 2014/07/17

PAINLESS CHILD-REARING ROBERT ROBINSON 2014/07/17

COOKING WITH MUSHROOMS JACK BAKER 2014/02/28

DATABASE IMPLEMENTATION JUAN ADAMS 2013/06/04

DATABASE IMPLEMENTATION JAMES AUSTIN 2013/06/04

DATABASE IMPLEMENTATION TINA PETERSON 2013/06/04

HOW TO MANAGE THE MANAGER WILLIAM WHITE 2013/05/09

20 rows selected.

**Problem I**

SELECT

lastname,

firstname,

nvl(to\_char(order#),

'N/A') order#

FROM

customers

LEFT OUTER JOIN orders USING ( customer# );

LASTNAME FIRSTNAME ORDER#

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

MORALES BONITA 1018

MORALES BONITA 1003

THOMPSON RYAN N/A

SMITH LEILA 1016

SMITH LEILA 1006

PIERSON THOMAS 1008

GIRARD CINDY 1009

GIRARD CINDY 1000

CRUZ MESHIA N/A

GIANA TAMMY 1007

GIANA TAMMY 1014

LASTNAME FIRSTNAME ORDER#

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

JONES KENNETH 1020

PEREZ JORGE N/A

LUCAS JAKE 1001

LUCAS JAKE 1011

MCGOVERN REESE 1002

MCKENZIE WILLIAM N/A

NGUYEN NICHOLAS N/A

LEE JASMINE 1013

SCHELL STEVE 1017

DAUM MICHELL N/A

NELSON BECCA 1012

LASTNAME FIRSTNAME ORDER#

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

MONTIASA GREG 1005

MONTIASA GREG 1019

SMITH JENNIFER 1010

FALAH KENNETH 1004

FALAH KENNETH 1015

27 rows selected.

**Problem J**

SELECT

lastname,

firstname,

replace(address, 'P.O. BOX', 'Post Office Box') address

FROM

customers

where address like 'P.O. BOX%';

LASTNAME FIRSTNAME ADDRESS

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

MORALES BONITA Post Office Box 651

THOMPSON RYAN Post Office Box 9835

SMITH LEILA Post Office Box 66

GIRARD CINDY Post Office Box 851

JONES KENNETH Post Office Box 137

PEREZ JORGE Post Office Box 8564

MCGOVERN REESE Post Office Box 18

MCKENZIE WILLIAM Post Office Box 971

LEE JASMINE Post Office Box 2947

SCHELL STEVE Post Office Box 677

NELSON BECCA Post Office Box 563

LASTNAME FIRSTNAME ADDRESS

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

SMITH JENNIFER Post Office Box 1151

FALAH KENNETH Post Office Box 335

13 rows selected.