*Gabriel Nestor* ITI-2180 Foundations of Data and Database Management

**Problem A**

**CODE:**

SELECT INITCAP(FIRSTNAME), INITCAP(LASTNAME)

FROM CUSTOMERS

**OUTPUT:**

INITCAP(FI INITCAP(LA

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Bonita Morales

Ryan Thompson

Leila Smith

Thomas Pierson

Cindy Girard

Meshia Cruz

Tammy Giana

Kenneth Jones

Jorge Perez

Jake Lucas

Reese Mcgovern

INITCAP(FI INITCAP(LA

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William Mckenzie

Nicholas Nguyen

Jasmine Lee

Steve Schell

Michell Daum

Becca Nelson

Greg Montiasa

Jennifer Smith

Kenneth Falah

20 rows selected.

**Problem B**

**CODE:**

SELECT CUSTOMER#, NVL2(REFERRED, 'REFERRED', 'NOT REFERRED')

FROM CUSTOMERS

**OUTPUT:**

CUSTOMER# NVL2(REFERRE

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1001 NOT REFERRED

1002 NOT REFERRED

1003 NOT REFERRED

1004 NOT REFERRED

1005 NOT REFERRED

1006 NOT REFERRED

1007 REFERRED

1008 NOT REFERRED

1009 REFERRED

1010 NOT REFERRED

1011 NOT REFERRED

CUSTOMER# NVL2(REFERRE

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

1012 NOT REFERRED

1013 REFERRED

1014 NOT REFERRED

1015 NOT REFERRED

1016 REFERRED

1017 NOT REFERRED

1018 NOT REFERRED

1019 REFERRED

1020 NOT REFERRED

20 rows selected.

**Problem C**

**CODE:**

SELECT TITLE, TO\_CHAR((RETAIL - COST), '$999.99') PROFIT

FROM ORDERITEMS NATURAL JOIN BOOKS

WHERE (ORDER# = 1002);

**OUTPUT:**

TITLE PROFIT

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

DATABASE IMPLEMENTATION $24.55

**Problem D**

**CODE:**

SELECT TITLE, ROUND(((RETAIL - COST)/COST) \* 100, 0) || '%' PROFIT

FROM BOOKS;

**OUTPUT:**

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**

**CODE:**

SELECT TO\_CHAR(CURRENT\_TIMESTAMP, 'DD.MM.YYYY HH24:MI:SS') AS "Date"

FROM DUAL;

**OUTPUT:**

Date

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

18.11.2022 11:19:03

**Problem F**

**CODE:**

SELECT TITLE, LPAD(COST, 12, '\*') COST

FROM BOOKS;

**OUTPUT:**

TITLE COST

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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**

**CODE:**

SELECT COUNT(DISTINCT ISBN)

FROM BOOKS;

**OUTPUT:**

COUNT(DISTINCTISBN)

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

14

**Problem H**

**CODE:**

SELECT TITLE, LNAME||', '||FNAME AUTHOR, TO\_CHAR(PUBDATE, 'YYYY/MM/DD') PUBDATE

FROM BOOKS NATURAL JOIN BOOKAUTHOR NATURAL JOIN AUTHOR

ORDER BY PUBDATE;

**OUTPUT:**

TITLE AUTHOR PUBDATE

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

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

DATABASE IMPLEMENTATION PETERSON, TINA 2013/06/04

DATABASE IMPLEMENTATION AUSTIN, JAMES 2013/06/04

DATABASE IMPLEMENTATION ADAMS, JUAN 2013/06/04

COOKING WITH MUSHROOMS BAKER, JACK 2014/02/28

PAINLESS CHILD-REARING ROBINSON, ROBERT 2014/07/17

PAINLESS CHILD-REARING FIELDS, OSCAR 2014/07/17

PAINLESS CHILD-REARING BAKER, JACK 2014/07/17

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

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

HANDCRANKED COMPUTERS WHITE, LISA 2015/01/21

TITLE AUTHOR PUBDATE

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

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

HANDCRANKED COMPUTERS WHITE, WILLIAM 2015/01/21

SHORTEST POEMS WHITE, LISA 2015/05/01

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

REVENGE OF MICKEY JONES, JANICE 2015/12/14

HOLY GRAIL OF ORACLE AUSTIN, JAMES 2015/12/31

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

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

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

20 rows selected.

**Problem I**

**CODE:**

SELECT LASTNAME, FIRSTNAME, NVL(TO\_CHAR(ORDER#), 'N/A') ORDER#

FROM CUSTOMERS LEFT OUTER JOIN ORDERS USING (CUSTOMER#);

**OUTPUT:**

LASTNAME FIRSTNAME ORDER#

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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**

**CODE:**

SELECT LASTNAME, FIRSTNAME, REPLACE(ADDRESS, 'P.O. BOX', 'Post Office Box') ADDRESS

FROM CUSTOMERS

**OUTPUT:**

LASTNAME FIRSTNAME ADDRESS

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MORALES BONITA Post Office Box 651

THOMPSON RYAN Post Office Box 9835

SMITH LEILA Post Office Box 66

PIERSON THOMAS 69821 SOUTH AVENUE

GIRARD CINDY Post Office Box 851

CRUZ MESHIA 82 DIRT ROAD

GIANA TAMMY 9153 MAIN STREET

JONES KENNETH Post Office Box 137

PEREZ JORGE Post Office Box 8564

LUCAS JAKE 114 EAST SAVANNAH

MCGOVERN REESE Post Office Box 18

LASTNAME FIRSTNAME ADDRESS

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MCKENZIE WILLIAM Post Office Box 971

NGUYEN NICHOLAS 357 WHITE EAGLE AVE.

LEE JASMINE Post Office Box 2947

SCHELL STEVE Post Office Box 677

DAUM MICHELL 9851231 LONG ROAD

NELSON BECCA Post Office Box 563

MONTIASA GREG 1008 GRAND AVENUE

SMITH JENNIFER Post Office Box 1151

FALAH KENNETH Post Office Box 335

20 rows selected.