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

**Problem A (traditional)**

**CODE:**

SELECT TITLE, NAME, CONTACT

FROM BOOKS, PUBLISHER

WHERE BOOKS.PUBID = PUBLISHER.PUBID;

**OUTPUT:**

TITLE NAME CONTACT

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

REVENGE OF MICKEY PRINTING IS US TOMMIE SEYMOUR

HOW TO MANAGE THE MANAGER PRINTING IS US TOMMIE SEYMOUR

E-BUSINESS THE EASY WAY PUBLISH OUR WAY JANE TOMLIN

BUILDING A CAR WITH TOOTHPICKS PUBLISH OUR WAY JANE TOMLIN

HOLY GRAIL OF ORACLE AMERICAN PUBLISHING DAVID DAVIDSON

DATABASE IMPLEMENTATION AMERICAN PUBLISHING DAVID DAVIDSON

HANDCRANKED COMPUTERS AMERICAN PUBLISHING DAVID DAVIDSON

COOKING WITH MUSHROOMS READING MATERIALS INC. RENEE SMITH

THE WOK WAY TO COOK READING MATERIALS INC. RENEE SMITH

HOW TO GET FASTER PIZZA READING MATERIALS INC. RENEE SMITH

BODYBUILD IN 10 MINUTES A DAY READING MATERIALS INC. RENEE SMITH

TITLE NAME CONTACT

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

PAINLESS CHILD-REARING REED-N-RITE SEBASTIAN JONES

BIG BEAR AND LITTLE DOVE REED-N-RITE SEBASTIAN JONES

SHORTEST POEMS REED-N-RITE SEBASTIAN JONES

14 rows selected.

**Problem B (ANSI)**

**CODE:**

SELECT TITLE, NAME, CONTACT

FROM BOOKS JOIN PUBLISHER USING (PUBID)

**OUTPUT:**

TITLE NAME CONTACT

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

REVENGE OF MICKEY PRINTING IS US TOMMIE SEYMOUR

HOW TO MANAGE THE MANAGER PRINTING IS US TOMMIE SEYMOUR

E-BUSINESS THE EASY WAY PUBLISH OUR WAY JANE TOMLIN

BUILDING A CAR WITH TOOTHPICKS PUBLISH OUR WAY JANE TOMLIN

HOLY GRAIL OF ORACLE AMERICAN PUBLISHING DAVID DAVIDSON

DATABASE IMPLEMENTATION AMERICAN PUBLISHING DAVID DAVIDSON

HANDCRANKED COMPUTERS AMERICAN PUBLISHING DAVID DAVIDSON

COOKING WITH MUSHROOMS READING MATERIALS INC. RENEE SMITH

THE WOK WAY TO COOK READING MATERIALS INC. RENEE SMITH

HOW TO GET FASTER PIZZA READING MATERIALS INC. RENEE SMITH

BODYBUILD IN 10 MINUTES A DAY READING MATERIALS INC. RENEE SMITH

TITLE NAME CONTACT

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

PAINLESS CHILD-REARING REED-N-RITE SEBASTIAN JONES

BIG BEAR AND LITTLE DOVE REED-N-RITE SEBASTIAN JONES

SHORTEST POEMS REED-N-RITE SEBASTIAN JONES

14 rows selected.

**Problem C (traditional)**

**CODE:**

SELECT FIRSTNAME || ', ' || LASTNAME CUSTOMER, ORDERDATE

FROM CUSTOMERS, ORDERS

WHERE (CUSTOMERS.CUSTOMER# = ORDERS.CUSTOMER#) AND (SHIPDATE IS NULL)

ORDER BY ORDERDATE;

**OUTPUT:**

CUSTOMER ORDERDATE

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

JORGE, PEREZ 20-JUL-09

BECCA, NELSON 03-APR-19

LEILA, SMITH 04-APR-19

KENNETH, FALAH 04-APR-19

BONITA, MORALES 05-APR-19

KENNETH, JONES 05-APR-19

GREG, MONTIASA 05-APR-19

TAMMY, GIANA 13-OCT-22

8 rows selected.

**Problem D (ANSI)**

**CODE:**

SELECT FIRSTNAME || ', ' || LASTNAME CUSTOMER, ORDERDATE

FROM CUSTOMERS JOIN ORDERS USING (CUSTOMER#)

WHERE SHIPDATE IS NULL

ORDER BY ORDERDATE;

**OUTPUT:**

CUSTOMER ORDERDATE

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

JORGE, PEREZ 20-JUL-09

BECCA, NELSON 03-APR-19

LEILA, SMITH 04-APR-19

KENNETH, FALAH 04-APR-19

BONITA, MORALES 05-APR-19

KENNETH, JONES 05-APR-19

GREG, MONTIASA 05-APR-19

TAMMY, GIANA 13-OCT-22

8 rows selected.

**Problem E (traditional)**

**CODE:**

SELECT LASTNAME || ', ' || FIRSTNAME CUSTOMER, TITLE

FROM CUSTOMERS C, ORDERS O, ORDERITEMS OI, BOOKS B

WHERE (C.CUSTOMER# = O.CUSTOMER#)

AND (O.ORDER# = OI.ORDER#)

AND (OI.ISBN = B.ISBN)

AND (STATE = 'FL')

AND (CATEGORY = 'COMPUTER')

ORDER BY LASTNAME;

**OUTPUT:**

CUSTOMER TITLE

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MORALES, BONITA DATABASE IMPLEMENTATION

MORALES, BONITA DATABASE IMPLEMENTATION

SMITH, LEILA E-BUSINESS THE EASY WAY

**Problem F (ANSI)**

**CODE:**

SELECT LASTNAME || ', ' || FIRSTNAME CUSTOMER, TITLE

FROM CUSTOMERS JOIN ORDERS USING (CUSTOMER#) JOIN ORDERITEMS USING (ORDER#) JOIN BOOKS USING (ISBN)

WHERE (STATE = 'FL')

AND (CATEGORY = 'COMPUTER')

ORDER BY LASTNAME;

**OUTPUT:**

CUSTOMER TITLE

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MORALES, BONITA DATABASE IMPLEMENTATION

MORALES, BONITA DATABASE IMPLEMENTATION

SMITH, LEILA E-BUSINESS THE EASY WAY

**Problem G (traditional)**

**CODE:**

SELECT DISTINCT FIRSTNAME, LASTNAME, TITLE

FROM CUSTOMERS C, ORDERS O, ORDERITEMS OI, BOOKS B

WHERE (C.CUSTOMER# = O.CUSTOMER#)

AND (O.ORDER# = OI.ORDER#)

AND (OI.ISBN = B.ISBN)

AND (C.FIRSTNAME = 'JAKE')

AND (C.LASTNAME = 'LUCAS')

**OUTPUT:**

FIRSTNAME LASTNAME TITLE

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JAKE LUCAS HOW TO MANAGE THE MANAGER

JAKE LUCAS PAINLESS CHILD-REARING

**Problem H (ANSI)**

**CODE:**

SELECT DISTINCT LASTNAME, FIRSTNAME, TITLE

FROM CUSTOMERS JOIN ORDERS USING (CUSTOMER#) JOIN ORDERITEMS USING (ORDER#) JOIN BOOKS USING (ISBN)

WHERE (FIRSTNAME = 'JAKE')

AND (LASTNAME = 'LUCAS')

**OUTPUT:**

LASTNAME FIRSTNAME TITLE

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

LUCAS JAKE PAINLESS CHILD-REARING

LUCAS JAKE HOW TO MANAGE THE MANAGER

**Problem I (traditional)**

**CODE:**

SELECT PAIDEACH - COST PROFIT

FROM CUSTOMERS C, ORDERS O, ORDERITEMS OI, BOOKS B

WHERE (C.CUSTOMER# = O.CUSTOMER#)

AND (O.ORDER# = OI.ORDER#)

AND (OI.ISBN = B.ISBN)

AND (C.FIRSTNAME = 'JAKE')

AND (C.LASTNAME = 'LUCAS')

ORDER BY ORDERDATE;

**OUTPUT:**

PROFIT

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16.55

37.45

37.45

**Problem J (ANSI)**

**CODE:**

SELECT PAIDEACH - COST PROFIT

FROM CUSTOMERS JOIN ORDERS USING (CUSTOMER#) JOIN ORDERITEMS USING (ORDER#) JOIN BOOKS USING (ISBN)

WHERE (FIRSTNAME = 'JAKE')

AND (LASTNAME = 'LUCAS')

ORDER BY ORDERDATE;

**OUTPUT:**

PROFIT

----------

16.55

37.45

37.45