**ASSIGNMENT 4**

1.

SELECT VENDOR\_ID, INVOICE\_ID, INVOICE\_DATE,

TO\_CHAR((INVOICE\_TOTAL - (PAYMENT\_TOTAL + CREDIT\_TOTAL)), '$999,999,999.00') AS BALANCE\_DUE

FROM INVOICES

WHERE (INVOICE\_TOTAL - (PAYMENT\_TOTAL +CREDIT\_TOTAL)) > 5000

ORDER BY BALANCE\_DUE DESC;

OUTPUT:

VENDOR\_ID INVOICE\_ID INVOICE\_DATE BALANCE\_DUE

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72 113 18-JUL-14 $21,842.00

110 3 11-APR-14 $19,351.18

110 34 07-MAY-14 $10,976.06

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2.

SELECT VENDOR\_ID,

VENDOR\_NAME,

VENDOR\_CONTACT\_FIRST\_NAME || ‘ ‘ || VENDOR\_CONTACT\_LAST\_NAME AS CONTACT\_NAME,

VENDOR\_CITY AS CITY,

VENDOR\_STATE

FROM VENDORS

WHERE VENDOR\_STATE IN ('IL','IN','IA','MI','WI')

ORDER BY VENDOR\_CITY;

VENDOR\_ID VENDOR\_NAME CONTACT\_NAME CITY VE

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110 Malloy Lithographing Inc Abe Regging Ann Arbor MI

72 Data Reproductions Corp Cesar Arodondo Auburn Hills MI

65 The Drawing Board Jeffery Mckayla Carol Stream IL

49 Mcgraw Hill Companies Rashad Holbrooke Chicago IL

55 Quality Education Data Kayle Misael Chicago IL

46 Open Horizons Publishing Deborah Damien Fairfield IA

1 US Postal Service Francesco Alberto Madison WI

26 Small Press Dusty Colette Traverse City MI

24 Zee Medical Service Co Juliana Hallie Washington IA

9 rows selected

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3.

SELECT TO\_CHAR(SUM(LINE\_ITEM\_AMT), '$999,999,99.00') AS TOTAL,

LINE\_ITEM\_DESCRIPTION

FROM INVOICE\_LINE\_ITEMS

GROUP BY LINE\_ITEM\_DESCRIPTION

HAVING SUM(LINE\_ITEM\_AMT) >10000

ORDER BY TOTAL DESC;

TOTAL LINE\_ITEM\_DESCRIPTION

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$379,66.19 CICS Desk Reference

$268,81.40 MVS JCL

$268,35.53 Freight

$235,17.58 DB2 Part 1

$218,42.00 Book repro

$205,51.18 CICS Part 2

$109,76.06 VSAM for the Cobol Programmer

7 rows selected

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4.

SELECT D.VENDOR\_ID,

D.VENDOR\_NAME,

I.INVOICE\_NUMBER,

L.LINE\_ITEM\_DESCRIPTION,

TO\_CHAR(I.INVOICE\_TOTAL, '$999,999,99.00') AS AMOUNT

FROM INVOICES I

RIGHT OUTER JOIN INVOICE\_LINE\_ITEMS L

ON I.INVOICE\_ID = L.INVOICE\_ID

RIGHT OUTER JOIN VENDORS D

ON I.VENDOR\_ID = D.VENDOR\_ID

WHERE LINE\_ITEM\_DESCRIPTION LIKE '%CICS%' OR LINE\_ITEM\_DESCRIPTION LIKE '%COBOL%' OR LINE\_ITEM\_DESCRIPTION LIKE '%MVS%' OR LINE\_ITEM\_DESCRIPTION LIKE '%VSAM%'

ORDER BY VENDOR\_ID;

VENDOR\_ID VENDOR\_NAME INVOICE\_NUMBER LINE\_ITEM\_DESCRIPTION AMOUNT

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34 IBM QP58872 MVS Online Library $1,16.54

110 Malloy Lithographing Inc 0-2058 CICS Desk Reference $379,66.19

110 Malloy Lithographing Inc 0-2436 VSAM for the Cobol Programmer $109,76.06

110 Malloy Lithographing Inc P-0608 CICS Part 2 $205,51.18

110 Malloy Lithographing Inc P-0259 MVS JCL $268,81.40

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5.

SELECT D.VENDOR\_ID,

D.VENDOR\_NAME,

I.INVOICE\_NUMBER,

I.INVOICE\_DATE,

I.INVOICE\_DUE\_DATE,

TO\_CHAR(I.INVOICE\_TOTAL - (I.PAYMENT\_TOTAL + I.CREDIT\_TOTAL), '$999,999,99.00') AS BALANCE\_DUE

FROM INVOICES I, VENDORS D

WHERE I.VENDOR\_ID = D.VENDOR\_ID AND

MONTHS\_BETWEEN(SYSDATE, I.INVOICE\_DUE\_DATE)>= 16 AND

I.INVOICE\_TOTAL - (I.PAYMENT\_TOTAL + I.CREDIT\_TOTAL) > 0

ORDER BY I.INVOICE\_DUE\_DATE

VENDOR\_ID VENDOR\_NAME INVOICE\_NUMBER INVOICE\_DATE INVOICE\_DUE\_DATE BALANCE\_DUE

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83 Ingram 31361833 23-MAY-14 09-JUN-14 $5,79.42

83 Ingram 31359783 23-MAY-14 09-JUN-14 $15,75.00

94 Abbey Office Furnishings 203339-13 02-MAY-14 13-JUN-14 $17.50

106 Ford Motor Credit Company 9982771 03-JUN-14 18-JUN-14 $5,03.20

122 United Parcel Service 989319-487 18-APR-14 19-JUN-14 $19,27.54

123 Federal Express Corporation 43966316 17-MAY-14 19-JUN-14 $10.00

6 rows selected

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6.

SELECT D.VENDOR\_NAME,

TO\_CHAR(SUM(I.INVOICE\_TOTAL - (I.PAYMENT\_TOTAL + I.CREDIT\_TOTAL)), '$999,999,99.00') AS TOTAL\_BALANCE\_DUE

FROM VENDORS D

JOIN INVOICES I

ON D.VENDOR\_ID = I.VENDOR\_ID

GROUP BY D.VENDOR\_NAME

HAVING SUM(I.INVOICE\_TOTAL - (I.PAYMENT\_TOTAL + I.CREDIT\_TOTAL))> 4000

ORDER BY D.VENDOR\_NAME;

VENDOR\_NAME TOTAL\_BALANCE\_D

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Data Reproductions Corp $219,27.31

Malloy Lithographing Inc $303,27.24

United Parcel Service $42,39.74

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7.

SELECT D.VENDOR\_ID,

D.VENDOR\_NAME,

D.VENDOR\_PHONE,

TO\_CHAR(SUM(I.INVOICE\_TOTAL - (I.PAYMENT\_TOTAL + I.CREDIT\_TOTAL)), '$999,999,99.00') AS TOTAL\_BALANCE\_DUE

FROM VENDORS D

JOIN INVOICES I

ON D.VENDOR\_ID = I.VENDOR\_ID

GROUP BY D.VENDOR\_NAME, D.VENDOR\_ID, D.VENDOR\_PHONE

HAVING SUM(I.INVOICE\_TOTAL - (I.PAYMENT\_TOTAL + I.CREDIT\_TOTAL))> 4000

ORDER BY TOTAL\_BALANCE\_DUE DESC;

VENDOR\_ID VENDOR\_NAME VENDOR\_PHONE TOTAL\_BALANCE\_DUE

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110 Malloy Lithographing Inc (313) 555-6113 $303,27.24

72 Data Reproductions Corp (810) 555-3700 $219,27.31

122 United Parcel Service (800) 555-0855 $42,39.74

8.

SELECT DISTINCT VENDOR\_CITY

FROM VENDORS A

WHERE VENDOR\_CITY IN

(SELECT B.VENDOR\_CITY

FROM VENDORS B

WHERE A.VENDOR\_STATE <> B.VENDOR\_STATE AND

A.VENDOR\_CITY = B.VENDOR\_CITY)

VENDOR\_CITY

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Fairfield

Washington

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9.

SELECT VENDOR\_NAME,

INVOICE\_DATE,

TO\_CHAR(INVOICE\_TOTAL, '$999,999,99.00') AS INVOICE\_TOTAL

FROM (SELECT D.VENDOR\_NAME,

I.INVOICE\_DATE,

I.INVOICE\_TOTAL

FROM VENDORS D , INVOICES I

WHERE D.VENDOR\_ID = I.VENDOR\_ID

ORDER BY I.INVOICE\_TOTAL DESC)

WHERE ROWNUM <=5;

VENDOR\_NAME INVOICE\_DATE INVOICE\_TOTAL

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Malloy Lithographing Inc 08-MAY-14 $379,66.19

Malloy Lithographing Inc 16-APR-14 $268,81.40

Malloy Lithographing Inc 08-MAY-14 $235,17.58

Data Reproductions Corp 18-JUL-14 $218,42.00

Malloy Lithographing Inc 11-APR-14 $205,51.18

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10.

SELECT VENDOR\_NAME,

INVOICE\_DATE,

TO\_CHAR(BALANCE\_DUE , '$999,999,99.00') AS BALANCE\_DUE

FROM (SELECT VENDOR\_NAME,

INVOICE\_DATE,

INVOICE\_TOTAL - (PAYMENT\_TOTAL + CREDIT\_TOTAL) AS BALANCE\_DUE

FROM VENDORS D, INVOICES I

WHERE D.VENDOR\_ID = I.VENDOR\_ID

ORDER BY BALANCE\_DUE DESC)

WHERE ROWNUM <= (SELECT (COUNT(\*)\*0.06)

FROM VENDORS D, INVOICES I

WHERE D.VENDOR\_ID = I.VENDOR\_ID);

VENDOR\_NAME INVOICE\_DATE BALANCE\_DUE

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Data Reproductions Corp 18-JUL-14 $218,42.00

Malloy Lithographing Inc 11-APR-14 $193,51.18

Malloy Lithographing Inc 07-MAY-14 $109,76.06

Computerworld 31-MAY-14 $24,33.00

United Parcel Service 17-APR-14 $23,12.20

United Parcel Service 18-APR-14 $19,27.54

6 rows selected

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