(1)

SELECT VENDOR\_ID,INVOICE\_ID,INVOICE\_DATE,TO\_CHAR((INVOICE\_TOTAL-(PAYMENT\_TOTAL+CREDIT\_TOTAL)),'$99,990.00') AS BALANCE\_DUE

FROM INVOICES

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

ORDER BY BALANCE\_DUE DESC;

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

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72 113 18-07-14 $21,842.00

110 3 11-04-14 $19,351.18

110 34 07-05-14 $10,976.06

(2)

SET LINESIZE 1000

COLUMN CONTACT\_NAME FORMAT A30

COLUMN VENDOR\_CITY FORMAT A15

COLUMN VENDOR\_STATE FORMAT A15

SELECT VENDOR\_ID, VENDOR\_NAME, VENDOR\_CONTACT\_FIRST\_NAME ||' '|| VENDOR\_CONTACT\_LAST\_NAME AS CONTACT\_NAME, VENDOR\_CITY, VENDOR\_STATE

FROM VENDORS

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

ORDER BY VENDOR\_CITY, VENDOR\_STATE;

VENDOR\_ID VENDOR\_NAME CONTACT\_NAME VENDOR\_CITY VENDOR\_STATE

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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

(3)

COLUMN TOTAL\_AMOUNT FORMAT $999,999,999.99

COLUMN DESCRIPTION FORMAT A30

SELECT LINE\_ITEM\_DESCRIPTION AS DESCRIPTION, LINE\_ITEM\_AMT AS TOTAL\_AMOUNT

FROM INVOICE\_LINE\_ITEMS

WHERE LINE\_ITEM\_AMT > 10000

ORDER BY TOTAL\_AMOUNT DESC;

DESCRIPTION TOTAL\_AMOUNT

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CICS Desk Reference $37,966.19

MVS JCL $26,881.40

DB2 Part 1 $23,517.58

Book repro $21,842.00

CICS Part 2 $20,551.18

VSAM for the Cobol Programmer $10,976.06

6 rows selected

***OR***

COLUMN TOTAL\_AMOUNT FORMAT $999,999,999.99

COLUMN DESCRIPTION FORMAT A30

SELECT LINE\_ITEM\_DESCRIPTION AS DESCRIPTION, LINE\_ITEM\_AMT AS TOTAL\_AMOUNT

FROM INVOICE\_LINE\_ITEMS

GROUP BY LINE\_ITEM\_DESCRIPTION

HAVING SUM (LINE\_ITEM\_AMT) > 10000

ORDER BY TOTAL\_AMOUNT 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

(4)

COLUMN LINE\_ITEM\_DESCRIPTION FORMAT A30

COLUMN VENDOR\_NAME FORMAT A25

COLUMN AMOUNT FORMAT $99,999.99

COLUMN INVOICE\_NUMBER FORMAT A15

SELECT VENDORS.VENDOR\_ID, VENDORS.VENDOR\_NAME, INVOICE\_NUMBER, LINE\_ITEM\_DESCRIPTION, LINE\_ITEM\_AMT

AS AMOUNT

FROM VENDORS

JOIN INVOICES ON VENDORS.VENDOR\_ID = INVOICES.VENDOR\_ID

JOIN INVOICE\_LINE\_ITEMS ON INVOICES.INVOICE\_ID = INVOICE\_LINE\_ITEMS.INVOICE\_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 VENDORS.VENDOR\_ID;

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

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34 IBM QP58872 MVS Online Library $116.54

110 Malloy Lithographing Inc P-0608 CICS Part 2 $20,551.18

110 Malloy Lithographing Inc P-0259 MVS JCL $26,881.40

110 Malloy Lithographing Inc 0-2058 CICS Desk Reference $37,966.19

110 Malloy Lithographing Inc 0-2436 VSAM for the Cobol Programmer $10,976.06

(5)

SET LINESIZE 1000

COLUMN VENDOR\_NAME FORMAT A30

COLUMN INVOICE\_NUMBER FORMAT A15

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 INVOICE\_DUE\_DATE;

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

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83 Ingram 31359783 23-05-14 09-06-14 $15,75.00

83 Ingram 31361833 23-05-14 09-06-14 $5,79.42

94 Abbey Office Furnishings 203339-13 02-05-14 13-06-14 $17.50

106 Ford Motor Credit Company 9982771 03-06-14 18-06-14 $5,03.20

122 United Parcel Service 989319-487 18-04-14 19-06-14 $19,27.54

123 Federal Express Corporation 43966316 17-05-14 19-06-14 $10.00

6 rows selected

(6)

COLUMN TOTAL\_BALANCE\_DUE FORMAT $999,999,999.99

COLUMN VENDOR\_NAME FORMAT A25

SELECT VENDORS.VENDOR\_NAME, SUM (INVOICES.INVOICE\_TOTAL - (INVOICES.PAYMENT\_TOTAL + INVOICES.CREDIT\_TOTAL)) AS TOTAL\_BALANCE\_DUE

FROM VENDORS JOIN INVOICES ON VENDORS.VENDOR\_ID = INVOICES.VENDOR\_ID

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

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

ORDER BY VENDOR\_NAME;

VENDOR\_NAME TOTAL\_BALANCE\_DUE

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Data Reproductions Corp $21,927.31

Malloy Lithographing Inc $30,327.24

United Parcel Service $4,239.74

(7)

COLUMN TOTAL\_BALANCE\_DUE FORMAT $99,999.99

COLUMN VENDOR\_PHONE FORMAT A15

SELECT VENDORS.VENDOR\_ID, VENDORS.VENDOR\_NAME, VENDORS.VENDOR\_PHONE, SUM (INVOICES.INVOICE\_TOTAL - (INVOICES.PAYMENT\_TOTAL +

INVOICES.CREDIT\_TOTAL)) AS TOTAL\_BALANCE\_DUE

FROM VENDORS JOIN INVOICES ON VENDORS.VENDOR\_ID = INVOICES.VENDOR\_ID

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

HAVING SUM (INVOICES.INVOICE\_TOTAL - (INVOICES.PAYMENT\_TOTAL + INVOICES.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 $30,327.24

72 Data Reproductions Corp (810) 555-3700 $21,927.31

122 United Parcel Service (800) 555-0855 $4,239.74

(8)

SET LINESIZE 1000

COLUMN VENDOR\_CITY FORMAT A15

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

(9)

COLUMN BALANCE\_DUE FORMAT $999,999,999.99

COLUMN INVOICE\_TOTAL FORMAT $99,999.99

SELECT \* FROM

(SELECT VENDORS.VENDOR\_NAME, INVOICES.INVOICE\_DATE, INVOICES.INVOICE\_TOTAL

FROM VENDORS JOIN INVOICES ON VENDORS.VENDOR\_ID = INVOICES.VENDOR\_ID

ORDER BY INVOICE\_TOTAL DESC)

WHERE ROWNUM <= 5;

VENDOR\_NAME INVOICE\_DATE INVOICE\_TOTAL

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Malloy Lithographing Inc 08-05-14 $37,966.19

Malloy Lithographing Inc 16-04-14 $26,881.40

Malloy Lithographing Inc 08-05-14 $23,517.58

Data Reproductions Corp 18-07-14 $21,842.00

Malloy Lithographing Inc 11-04-14 $20,551.18

(10)

SELECT VENDOR\_NAME,

INVOICE\_DATE,

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 18-07-14 $21,842.00

Malloy Lithographing Inc 11-04-14 $19,351.18

Malloy Lithographing Inc 07-05-14 $10,976.06

Computerworld 31-05-14 $2,433.00

United Parcel Service 17-04-14 $2,312.20

United Parcel Service 18-04-14 $1,927.54

6 rows selected