```
1 •
            SELECT
                v.vendor id, SUM(i.invoice total) AS invoice total
      2
      3
            FROM
                invoices AS i
      4
      5
                     JOIN
                vendors AS v ON i.vendor_id = v.vendor id
      6
      7
            GROUP BY vendor id
      8
            ORDER BY invoice total;
           N Filter Rows:
                                            Export: Wrap Cell Content: 1A
Result Grid
    vendor id invoice total
    37
              564.00
15
16
    82
              600.00
17
    96
              662.00
18
    48
              856.92
    81
              936.93
19
20
    34
              1200.12
              1367.50
21
    103
22
    107
              1600.00
    113
              1750.00
23
24
    83
              2154.42
25
    100
              2184.50
    86
26
              2433.00
27
    123
              4378.02
28
    119
              4901.26
29
    121
              6940.25
30
    99
              6940.25
31
    104
              7125.34
    72
32
              21927.31
33
    122
              23177.96
34
    110
              119892.41
```

```
1 .
            SELECT
      2
                 v.vendor name, SUM(i.payment total) AS payment total
      3
            FROM
                 invoices AS i
      4
      5
                      JOIN
      6
                 vendors AS v ON i.vendor id = v.vendor id
      7
            GROUP BY vendor name
            ORDER BY payment_total DESC;
      8
Result Grid | N Filter Rows: Q
                                              Export: Wrap Cell Content: TA
     vendor_name
                                 payment total
     IBM
                                 1200.12
15
     Wang Laboratories, Inc.
                                 936.93
16
17
     Fresno County Tax Collector
                                 856.92
18
    Wells Fargo Bank
                                 662.00
19
     Reiter's Scientific & Pro Books
                                 600.00
     Gostanian General Building
20
                                 450.00
     Wakefield Co
                                 356.48
21
22
     Blue Cross
                                 340.00
23
     Postmaster
                                 290.00
24
     Dristas Groom & McCormick
                                 220.00
25
     Edward Data Services
                                 207.78
26
     Cardinal Business Media, Inc.
                                 175.00
     Pacific Bell
                                 171.01
27
28
     Evans Executone Inc
                                 95.00
29
     Roadway Package System, Inc 43.67
     Coffee Break Service
                                 41.80
30
31
     Compuserve
                                 19.90
     Abbey Office Furnishings
32
                                 17.50
33
     Suburban Propane
                                 16.62
34
     Ford Motor Credit Company
                                 0.00
```

```
1 •
            SELECT
      2
                 v.vendor name,
                 COUNT(*) AS number of invoices,
      3
                 SUM(i.invoice total) AS invoice total
      4
      5
            FROM
                 invoices AS i
      6
      7
                      JOIN
                 vendors AS v ON i.vendor id = v.vendor id
      8
            GROUP BY vendor name
      9
            ORDER BY COUNT(*) DESC;
     10
Result Grid 🔢 🙌 Filter Rows: 🔾
                                              Export: Wrap Cell Content: TA
                                 number of invoices
                                                    invoice total
     vendor name
     Federal Express Corporation
1
                                 47
                                                    4378.02
2
     United Parcel Service
                                 9
                                                    23177.96
     Zylka Design
3
                                 8
                                                    6940.25
                                 6
4
     Pacific Bell
                                                    171.01
     Malloy Lithographing Inc
                                 5
5
                                                    119892.41
     Roadway Package System, Inc 4
                                                    43.67
6
7
     Blue Cross
                                 3
                                                    564.00
                                 2
                                                    2154.42
8
     Ingram
9
     Compuserve
                                 2
                                                    19.90
                                 2
10
     Data Reproductions Corp
                                                    21927.31
11
     IBM
                                 2
                                                    1200.12
     Cardinal Business Media, Inc.
12
                                                    265.36
13
     Fresno County Tax Collector
                                 1
                                                    856.92
14
     Bertelsmann Industry Svcs. Inc 1
                                                    6940.25
     Wells Fargo Bank
                                                    662.00
15
                                 1
    Ford Motor Credit Company
                                 1
16
                                                    503.20
17
     Digital Dreamworks
                                 1
                                                    7125.34
                                 1
     Suburban Propane
18
                                                    16.62
19 Pollstar
                                                    1750.00
                                 1
```

```
1 •
           SELECT
                la.account description AS 'Account Description',
      2
      3
                COUNT(*) AS 'Number of Line Items',
                SUM(li.line item amount) AS 'Line Item Total'
      4
      5
            FROM
      6
                invoice line items AS li
      7
                     JOIN
                general ledger accounts AS la ON li.account number = la.account number
      8
      9
            GROUP BY li.account number
            HAVING COUNT(*) > 1;
     10
Result Grid 🔢 🙌 Filter Rows: 🔾
                                           Export: Wrap Cell Content: TA
#
    Account Description
                                Number of Line Items Line Item Total
     Computer Equipment
                                3
                                                   2137.05
2
    Book Printing Costs
                                8
                                                   148759.97
    Book Production Costs
                                8
3
                                                   6175.12
4
    Group Insurance
                                3
                                                   564.00
5
    Telephone
                                7
                                                   266.01
6
    Direct Mail Advertising
                                6
                                                   3900.77
7
    Freight
                                60
                                                   27599.65
                                3
8
    Office Supplies
                                                   175.80
    Books, Dues, and Subscriptions 6
                                                   5207.32
    Outside Services
                                3
                                                   13394.10
10
```

```
1 •
           SELECT
     2
                la.account description AS 'Account Description',
                COUNT(*) AS 'Number of Line Items',
     3
     4
                SUM(li.line item amount) AS 'Line Item Total'
     5
           FROM
                invoice line items li
     6
     7
                    JOIN
                general ledger accounts la ON li.account number = la.account number
     8
     9
                    JOIN
                invoices i ON li.invoice id = i.invoice id
    10
    11
           WHERE
                i.invoice date BETWEEN '2014-04-01' AND '2014-06-30'
    12
    13
           GROUP BY li.account number
    14
           HAVING COUNT(*) > 1;
Result Grid 🔢 🙌 Filter Rows: Q
                                          Export: Wrap Cell Content: 1
    Account Description
                               Number of Line Items Line Item Total
    Computer Equipment
                               3
                                                  2137.05
                               3
2
    Book Printing Costs
                                                  66748.44
    Book Production Costs
                               7
3
                                                  5174.66
                               2
4
    Group Insurance
                                                  340.00
    Telephone
                               5
5
                                                  193.54
                               5
    Direct Mail Advertising
6
                                                  3810.41
7
    Freight
                               41
                                                  17624.19
8
    Office Supplies
                               3
                                                  175.80
    Books, Dues, and Subscriptions 4
                                                  4027.90
   Outside Services
                               3
10
                                                  13394.10
```

```
1 •
           SELECT
     2 🚨
               li.account number AS 'Account Number',
     3
               SUM(li.line item amount) AS 'Line Item Amount'
     4
           FROM
     5
               general_ledger_accounts la
                    JOIN
     6
               invoice line items li ON la.account number = li.account number
     7
     8
           GROUP BY li.account number WITH ROLLUP
Result Grid 🔢 🙌 Filter Rows: 🔾
                                         Export: Wrap Cell Content: TA
# Account Number Line Item Amount
10 522
                   266.01
    523
11
                   450.00
12
    540
                   3900.77
13
    552
                   290.00
14
    553
                   27599.65
15
    570
                   175.80
16
    572
                   5207.32
    574
                   856.92
17
    580
                   50.00
18
                   503.20
19
    582
    589
                   13394.10
20
    591
                   220.00
21
22 NULL
                   214290.51
```

```
1 •
           SELECT
     2
               v.vendor name AS 'Vendor Name',
     3
               COUNT(DISTINCT li.account number) AS 'Distinct Accounts'
     4
           FROM
     5
               vendors v
     6
                   JOIN
               invoices i ON v.vendor_id = i.vendor_id
     7
     8
               invoice line items li ON i.invoice id = li.invoice id
     9
           GROUP BY vendor name
    10
           HAVING COUNT(DISTINCT li.account number) > 1
    11
           ORDER BY v.vendor_name
    12
Result Grid 🔢 🙌 Filter Rows: 🔍
                                        Export: Wrap Cell Content: TA
    Vendor Name
                   Distinct Accounts
    Wells Fargo Bank 3
2 Zylka Design
```

```
1 •
           SELECT DISTINCT
                vendor name
      2
      3
           FROM
                vendors
      4
      5
           WHERE
                vendor_name IN (SELECT
      6
      7
                          vendor name
      8
                     FROM
      9
                          invoices
                     WHERE
    10
                          invoices.vendor id = vendors.vendor id)
    11
           ORDER BY vendor name
    12
Result Grid 🏢 🙌 Filter Rows: 🔾
                                            Export: Wrap Cell Content: TA
    vendor name
18 Fresno County Tax Collector
    Gostanian General Building
19
20
    IBM
21
    Ingram
    Malloy Lithographing Inc
22
23
    Pacific Bell
24
    Pollstar
25
    Postmaster
    Reiter's Scientific & Pro Books
26
27
    Roadway Package System, Inc
28
    Suburban Propane
29
    United Parcel Service
    Wakefield Co
30
    Wang Laboratories, Inc.
31
    Wells Fargo Bank
32
33
    Yesmed, Inc
34 Zylka Design
```

```
1 •
           SELECT
     2
               invoice number AS 'Invoice #',
     3
               invoice total AS 'Invoice Total'
     4
           FROM
     5
               invoices
     6
           WHERE
     7
               payment_total > (SELECT
     8
                        AVG(payment_total)
     9
                    FROM
                        invoices
    10
                   WHERE
    11
    12
                        payment total > 0)
    13
           ORDER BY invoice total DESC
Result Grid 🔢 🙌 Filter Rows: Q
                                         Export: Wrap Cell Content: TA
    Invoice # Invoice Total
#
4
    40318 21842.00
    P02-3772
5
              7125.34
    509786
6
              6940.25
7
    10843 4901.26
8
    989319-457 3813.33
9
    989319-447 3689.99
10
    989319-437 2765.36
11
    367447
               2433.00
    989319-467 2318.03
12
    989319-497 2312.20
13
    587056
              2184.50
14
    989319-477 2184.11
15
16
    989319-427 2115.81
17
    989319-417 2051.59
    97/522
18
              1962.13
    989319-487 1927.54
19
   77290 1750.00
20
```

```
1 .
            SELECT
      2
                 account number AS 'Account Number',
      3
                 account description AS 'Account Description'
      4
            FROM
      5
                 general ledger accounts la
      6
            WHERE
      7
                 NOT EXISTS ( SELECT
                           account number
      8
      9
                      FROM
                           invoice line items
     10
                      WHERE
     11
                           account number = la.account number)
     12
            ORDER BY account number
     13
Result Grid 🔢 🙌 Filter Rows: 🔾
                                              Export: Wrap Cell Content: TA
     Account Number | Account Description
                     Web Site Production and F...
38
    548
39
     550
                     Packaging Materials
40
     551
                     Business Forms
     555
                     Collection Agency Fees
41
     556
                     Credit Card Handling
42
     565
                     Bank Fees
43
44
     568
                     Auto License Fee
     569
                     Auto Expense
45
                     PC Software
46
     576
     590
                     Business Insurance
47
48
     610
                     Charitable Contributions
                     Profit Sharing Contributions
49
     611
                     Interest Paid to Banks
50
     620
51
     621
                     Other Interest
                     Federal Corporation Incom...
52
     630
53
     631
                     State Corporation Income T...
54
    632
                     Sales Tax
```

```
1 •
           SELECT
     2
               vendor name,
     3
               i.invoice id,
     4
               invoice sequence,
               line item amount
     5
     6
           FROM
     7
               vendors v
     8
                    JOIN
               invoices i ON v.vendor id = i.vendor id
     9
    10
               invoice line items li ON i.invoice id = li.invoice id
    11
    12
           WHERE
    13
               i.invoice id IN (SELECT DISTINCT
                        invoice id
    14
    15
                    FROM
                        invoice line items
    16
    17
                    WHERE
                        invoice sequence > 1)
    18
           GROUP BY vendor_name , i.invoice_id , invoice_sequence;
    19
                                          Export: Wrap Cell Content: TA
Result Grid 🔢 🙌 Filter Rows: Q
    vendor_name
                   invoice_id invoice_sequence
                                            line_item_amount
1
    Wells Fargo Bank 12
                             1
                                            50.00
2
    Wells Fargo Bank 12
                             2
                                            75.60
3
    Wells Fargo Bank 12
                             3
                                            58.40
4
    Wells Fargo Bank 12
                             4
                                            478.00
5
    Zylka Design
                    78
                             1
                                            1197.00
                             2
    Zylka Design
                    78
                                            765.13
```

```
1 .
           SELECT
                SUM(balance_due) AS 'Sum of largest unpaid invoices'
      2
      3
           FROM
      4
                (SELECT
                    vendor_id,
      5
                        MAX(invoice total) AS balance due
      6
      7
               FROM
      8
                    invoices
      9
               WHERE
                    invoice_total - payment_total - credit_total > 0
     10
               GROUP BY vendor id) t
     11
Result Grid 🔢 🙌 Filter Rows: 🔾
                                          Export: Wrap Cell Content: TA
    Sum of largest unpaid invoices
    22101.39
```

```
1 •
                                   SELECT
                  2
                                                 ANY VALUE(v.vendor name) AS 'Vendor Name',
                  3
                                                 v.vendor city AS 'Vendor City',
                                                 v.vendor state AS 'Vendor State'
                  4
                  5
                                   FROM
                  6
                                                vendors v
                  7
                                                              LEFT OUTER JOIN
                                                 (SELECT
                  8
                                                               vendor name, CONCAT(vendor city, vendor state) AS city state
                  9
               10
                                                 FROM
                                                               vendors) t ON v.vendor name = t.vendor name
               11
                                   GROUP BY v.vendor state , v.vendor city
               12
               13
                                   HAVING COUNT(*) = 1
Result Grid | Name | Result Grid | Result Gr
                                                                                                                                  Export: Wrap Cell Content: TA
              Vendor Name
                                                                                                  Vendor City
                                                                                                                                                  Vendor State
             Baker & Taylor Books
                                                                                                                                                  NC
 23
                                                                                                  Charlotte
 24
             Rich Advertising
                                                                                                  Fairfield
                                                                                                                                                  NJ
             Newbrige Book Clubs
                                                                                                  Washington
 25
                                                                                                                                                  NJ
              United Parcel Service
                                                                                                                                                  NV
                                                                                                  Reno
 26
 27
              Cahners Publishing Company
                                                                                                  The Lake
                                                                                                                                                  NV
              The Mailers Guide Co
                                                                                                  New Rochelle
                                                                                                                                                  NY
 28
 29
              Venture Communications Int'l
                                                                                                  New York
                                                                                                                                                  NY
 30
              American Booksellers Assoc
                                                                                                  Tarrytown
                                                                                                                                                  NY
 31
              Edward Data Services
                                                                                                  Cleves
                                                                                                                                                  OH
 32
              Publishers Weekly
                                                                                                  Marion
                                                                                                                                                  OH
 33
              Nat Assoc of College Stores
                                                                                                  Oberlin
                                                                                                                                                  OH
 34
              Boucher Communications Inc
                                                                                                  Fort Washington
                                                                                                                                                  PA
 35
              Federal Express Corporation
                                                                                                  Memphis
                                                                                                                                                  TΝ
              Ingram
                                                                                                  Dallas
                                                                                                                                                  TΧ
 36
 37
              Enterprise Communications Inc
                                                                                                  Mclean
                                                                                                                                                  VA
 38
              US Postal Service
                                                                                                  Madison
                                                                                                                                                  WI
```

```
1 •
           SELECT
                vendor_name, invoice_number, invoice_date, invoice_total
     2
     3
           FROM
                invoices i
     4
     5
                    JOIN
     6
                vendors v ON i.vendor id = v.vendor id
     7
         invoice date IN (SELECT
     8
     9
                         MIN(invoice date)
    10
                    FROM
    11
                         invoices
                    WHERE
    12
                         vendor_id = i.vendor_id
    13
    14
                    GROUP BY vendor id)
    15
           ORDER BY vendor name
Result Grid 🔢 🙌 Filter Rows: Q
                                           Export: Wrap Cell Content: TA
                               invoice_number invoice_date invoice_total
#
    vendor_name
                               QP58872
                                             2014-05-07 116.54
20
    IBM
21
    Ingram
                               31359783
                                             2014-06-03 1575.00
    Malloy Lithographing Inc
22
                               0-2058
                                             2014-05-28 37966.19
23
    Pacific Bell
                               111-92R-10096 2014-04-30 16.33
24
    Pollstar
                               77290
                                             2014-05-13 1750.00
25
    Postmaster
                               CBM9920-M-...
                                             2014-06-23 290.00
    Reiter's Scientific & Pro Books C73-24
26
                                             2014-07-19 600.00
    Roadway Package System, Inc 25022117
                                             2014-05-01 6.00
27
28
    Suburban Propane
                               111897
                                             2014-07-15 16.62
29
    United Parcel Service
                               989319-457
                                             2014-04-08 3813.33
                                             2014-07-20 356.48
30
    Wakefield Co
                               97-1024A
    Wang Laboratories, Inc.
31
                               MABO1489
                                             2014-06-21 936.93
32
    Wells Fargo Bank
                               177271-001
                                             2014-04-26 662.00
    Yesmed, Inc
                                             2014-05-11 4901.26
33
                               10843
34 Zylka Design
                               97/488
                                             2014-04-24 601.95
```

Wells Fargo Bank

```
1 .
           SELECT
      2
                vendor name AS 'Vendor Name',
      3
                invoice number AS 'Invoice #',
                invoice date AS 'Invoice date',
      4
                invoice total AS 'Invoice Total'
      5
           FROM
      6
      7
                invoices i
      8
                    JOIN
      9
         (SELECT
                    vendor id, MIN(invoice date) AS oldest
     10
                FROM
     11
     12
                    invoices
    13
                GROUP BY vendor id) oi ON i.vendor id = oi.vendor id
                    AND i.invoice date = oi.oldest
    14
    15
                vendors v ON i.vendor id = v.vendor id
    16
    17
           ORDER BY vendor name
1
Result Grid 🔢 🙌 Filter Rows: 🔾
                                          Export: Wrap Cell Content: TA
    Vendor Name
                               Invoice #
                                         Invoice date Invoice Total
    IBM
                              QP58872
                                         2014-05-07 116.54
20
21
    Ingram
                              31359783
                                         2014-06-03 1575.00
    Malloy Lithographing Inc
22
                              0-2058
                                         2014-05-28 37966.19
    Pacific Bell
                                         2014-04-30 16.33
23
                              111-92R-...
    Pollstar
                              77290
                                         2014-05-13 1750.00
24
25
    Postmaster
                              CBM992...
                                         2014-06-23 290.00
    Reiter's Scientific & Pro Books C73-24
                                         2014-07-19 600.00
26
    Roadway Package System, Inc 25022117
27
                                         2014-05-01 6.00
28
    Suburban Propane
                              111897
                                         2014-07-15 16.62
    United Parcel Service
                              989319-457 2014-04-08 3813.33
29
30
    Wakefield Co
                                         2014-07-20 356.48
                              97-1024A
31
    Wang Laboratories, Inc.
                              MABO1489 2014-06-21 936.93
                              177271-001 2014-04-26 662.00
```

