**Chapter 4 examples**

**1)**

**SELECT \* FROM vendors INNER JOIN invoices**

**ON vendors.vendor\_id = invoices.vendor\_id**

**ORDER BY invoice\_number2)**

**2)**

**SELECT vendor\_name, invoice\_number,**

**invoice\_date,**

**(invoice\_total - payment\_total -**

**credit\_total) AS 'balance\_due'**

**FROM vendors v JOIN invoices i**

**ON v.vendor\_id = i.vendor\_id**

**WHERE ((invoice\_total - payment\_total -**

**credit\_total) >= 1)**

**ORDER BY i.invoice\_date**

**3)**

**SELECT vendor\_name,**

**default\_account\_number,**

**account\_description**

**FROM vendors v JOIN general\_ledger\_accounts g**

**ON v.default\_account\_number = g.account\_number**

**WHERE 1**

**ORDER BY account\_description, vendor\_name**

**4)**

**SELECT vendor\_name,**

**invoice\_date,**

**invoice\_number,**

**invoice\_sequence,**

**line\_item\_amount**

**FROM vendors v, invoices i, invoice\_line\_items l**

**WHERE v.vendor\_id = i.vendor\_id AND**

**i.invoice\_id = l.invoice\_id**

**ORDER BY vendor\_name,invoice\_date, invoice\_number,**

**invoice\_sequence**

**5)**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) DISTINCT v.vendor\_id, v.vendor\_name, CONCAT (v.vendor\_contact\_first\_name," ", v.vendor\_contact\_last\_name) AS 'contact\_name' FROM vendors v JOIN vendors v2 ON v.vendor\_id <> v2.vendor\_id [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) v.vendor\_contact\_last\_name = v2.vendor\_contact\_last\_name

**6)**

**SELECT**

**g.account\_number,**

**g.account\_description**

**FROM**

**general\_ledger\_accounts g**

**LEFT OUTER JOIN invoice\_line\_items i**

**ON g.account\_number = i.account\_number**

**Where invoice\_id IS NULL**

**ORDER BY account\_number**

**7)** [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) 'CA' AS State, vendor\_name,vendor\_state FROM vendors WHERE vendor\_state = 'CA' UNION [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) 'Outside CA' AS State, vendor\_name, vendor\_state FROM vendors WHERE vendor\_state <> 'CA' ORDER BY vendor\_name

**SELECT 'CA' AS vendor\_state, vendor\_name FROM vendors WHERE vendor\_state = 'CA' UNION SELECT 'Outside CA' AS vendor\_state, vendor\_name FROM vendors WHERE vendor\_state <> 'CA' ORDER BY vendor\_name**