Test Your Knowledge

The following exercises are designed to strengthen your understanding of the `select` statement and its various clauses. Please see Appendix C for solutions.

Exercise 3-1

Retrieve the employee ID, first name, and last name for all bank employees. Sort by last name and then by first name.

Exercise 3-2

Retrieve the account ID, customer ID, and available balance for all accounts whose status equals `'ACTIVE'` and whose available balance is greater than $2,500.

Exercise 3-3

Write a query against the `account` table that returns the IDs of the employees who opened the accounts (use the `account.open_emp_id` column). Include a single row for each distinct employee.

Exercise 3-4

Fill in the blanks (denoted by <#>) for this multi-data-set query to achieve the results shown here:

```
mysql> SELECT p.product_cd, a.cust_id, a.avail_balance
    -> FROM product p INNER JOIN account <1>
    ->   ON p.product_cd = <2>
    -> WHERE p.<3> = 'ACCOUNT'
    -> ORDER BY <4>, <5>;
+------------+---------+---------------+
| product_cd | cust_id | avail_balance |
+------------+---------+---------------+
| CD         |       1 |       3000.00 |
| CD         |       6 |      10000.00 |
| CD         |       7 |       5000.00 |
| CD         |       9 |       1500.00 |
| CHK        |       1 |       1057.75 |
| CHK        |       2 |       2258.02 |
| CHK        |       3 |       1057.75 |
| CHK        |       4 |        534.12 |
| CHK        |       5 |       2237.97 |
| CHK        |       6 |        122.37 |
| CHK        |       8 |       3487.19 |
| CHK        |       9 |        125.67 |
| CHK        |      10 |      23575.12 |
| CHK        |      12 |      38552.05 |
| MM         |       3 |       2212.50 |
```

```
| MM         |       4 |       5487.09 |
| MM         |       9 |       9345.55 |
| SAV        |       1 |        500.00 |
| SAV        |       2 |        200.00 |
| SAV        |       4 |        767.77 |
| SAV        |       8 |        387.99 |
+------------+---------+---------------+
21 rows in set (0.09 sec)
```