


Name: Pradip Bochare

Statement: SQL Hands on Practical Following are the tables used

```
mysql> select * from customers;
```

customer_id	first_name	last_name	DOB	email	phone_number	address
1	John	Doe	1990-05-15	john.doe@email.com	123-456-7890	Mumbai
2	Jane	Smith	1985-08-22	jane.smith@email.com	987-654-3210	Delhi
3	Bob	Johnson	1995-02-10	bob.johnson@email.com	555-123-4567	Chennai
4	Alice	Williams	1988-11-30	alice.williams@email.com	321-654-9870	Pune
5	Charlie	Brown	1992-07-18	charlie.brown@email.com	777-888-9999	Nagpur
6	Emma	Davis	1982-04-05	emma.davis@email.com	111-222-3333	Kolkata
7	Michael	Jones	1993-09-25	michael.jones@email.com	444-555-6666	Hydrabad
8	Sophia	Taylor	1987-06-12	sophia.taylor@email.com	999-888-7777	Chandigadh
9	David	Moore	1997-03-08	david.moore@email.com	666-333-1111	Kanpur
10	Olivia	Clark	1980-12-20	olivia.clark@email.com	222-444-5555	Jaypur

10 rows in set (0.01 sec)

```
mysql> select * from accounts;
```

account_id	customer_id	account_type	balance
101	1	savings	5000.00
102	2	current	10000.00
103	3	savings	8000.00
104	4	current	12000.00
105	5	savings	3000.00
106	6	current	8000.00
107	7	savings	6000.00
108	8	current	9500.00
109	9	savings	4000.00
110	10	current	11000.00

10 rows in set (0.01 sec)

```
mysql> select * from transactions;
```

transaction_id	account_id	transaction_type	amount	transaction_date
201	101	deposit	1000.00	2023-01-15
202	102	withdrawal	500.00	2023-02-20
203	103	transfer	200.00	2023-03-25
204	104	deposit	1500.00	2023-04-10
205	105	withdrawal	800.00	2023-05-05
206	106	transfer	300.00	2023-06-15
207	107	deposit	700.00	2023-07-20
208	108	withdrawal	1000.00	2023-08-12
209	109	transfer	400.00	2023-09-05
210	110	deposit	1200.00	2023-10-18

10 rows in set (0.01 sec)

Inserting Data in table

```
mysql> INSERT INTO customers (customer_id, first_name, last_name, DOB, email, phone_number, address)
-> VALUES (11, 'New', 'Customer', '1990-01-01', 'new.customer@email.com', '123-456-7890', 'NewCity');
Query OK, 1 row affected (0.01 sec)
```

```
mysql> select * from customers;
```

customer_id	first_name	last_name	DOB	email	phone_number	address
1	John	Doe	1990-05-15	john.doe@email.com	123-456-7890	Mumbai
2	Jane	Smith	1985-08-22	jane.smith@email.com	987-654-3210	Delhi
3	Bob	Johnson	1995-02-10	bob.johnson@email.com	555-123-4567	Chennai
4	Alice	Williams	1988-11-30	alice.williams@email.com	321-654-9870	Pune
5	Charlie	Brown	1992-07-18	charlie.brown@email.com	777-888-9999	Nagpur
6	Emma	Davis	1982-04-05	emma.davis@email.com	111-222-3333	Kolkata
7	Michael	Jones	1993-09-25	michael.jones@email.com	444-555-6666	Hydrabad
8	Sophia	Taylor	1987-06-12	sophia.taylor@email.com	999-888-7777	Chandigadh
9	David	Moore	1997-03-08	david.moore@email.com	666-333-1111	Kanpur
10	Olivia	Clark	1980-12-20	olivia.clark@email.com	222-444-5555	Jaypur
11	New	Customer	1990-01-01	new.customer@email.com	123-456-7890	NewCity

```
11 rows in set (0.00 sec)
```

Updating Data in table

```
mysql> UPDATE customers
-> SET first_name = 'UpdatedFirstName', last_name = 'UpdatedLastName', DOB = '1995-01-01', email = 'updated.email@email.com', phone_number = '555-555-5555', address = 'UpdatedCity'
-> WHERE customer_id = 1;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```

```
mysql> select * from customers;
```

customer_id	first_name	last_name	DOB	email	phone_number	address
1	UpdatedFirstName	UpdatedLastName	1995-01-01	updated.email@email.com	555-555-5555	UpdatedCity
2	Jane	Smith	1985-08-22	jane.smith@email.com	987-654-3210	Delhi
3	Bob	Johnson	1995-02-10	bob.johnson@email.com	555-123-4567	Chennai
4	Alice	Williams	1988-11-30	alice.williams@email.com	321-654-9870	Pune
5	Charlie	Brown	1992-07-18	charlie.brown@email.com	777-888-9999	Nagpur
6	Emma	Davis	1982-04-05	emma.davis@email.com	111-222-3333	Kolkata
7	Michael	Jones	1993-09-25	michael.jones@email.com	444-555-6666	Hydrabad
8	Sophia	Taylor	1987-06-12	sophia.taylor@email.com	999-888-7777	Chandigadh
9	David	Moore	1997-03-08	david.moore@email.com	666-333-1111	Kanpur
10	Olivia	Clark	1980-12-20	olivia.clark@email.com	222-444-5555	Jaypur
11	New	Customer	1990-01-01	new.customer@email.com	123-456-7890	NewCity

```
11 rows in set (0.00 sec)
```

```
mysql>
```

Deleting Data in table

```
mysql> DELETE FROM customers
-> WHERE customer_id = 11;
Query OK, 1 row affected (0.01 sec)
```

```
mysql> select * from customers;
```

customer_id	first_name	last_name	DOB	email	phone_number	address
1	UpdatedFirstName	UpdatedLastName	1995-01-01	updated.email@email.com	555-555-5555	UpdatedCity
2	Jane	Smith	1985-08-22	jane.smith@email.com	987-654-3210	Delhi
3	Bob	Johnson	1995-02-10	bob.johnson@email.com	555-123-4567	Chennai
4	Alice	Williams	1988-11-30	alice.williams@email.com	321-654-9870	Pune
5	Charlie	Brown	1992-07-18	charlie.brown@email.com	777-888-9999	Nagpur
6	Emma	Davis	1982-04-05	emma.davis@email.com	111-222-3333	Kolkata
7	Michael	Jones	1993-09-25	michael.jones@email.com	444-555-6666	Hydrabad
8	Sophia	Taylor	1987-06-12	sophia.taylor@email.com	999-888-7777	Chandigadh
9	David	Moore	1997-03-08	david.moore@email.com	666-333-1111	Kanpur
10	Olivia	Clark	1980-12-20	olivia.clark@email.com	222-444-5555	Jaypur

```
10 rows in set (0.00 sec)
```

```
mysql>
```

Retrieving Specific Attributes

```
mysql> SELECT first_name, last_name, email, phone_number
-> FROM customers
-> WHERE customer_id = 1;
```

first_name	last_name	email	phone_number
UpdatedFirstName	UpdatedLastName	updated.email@email.com	555-555-5555

1 row in set (0.00 sec)

```
mysql> |
```

Retrieving Selected Rows

```
mysql> SELECT *
-> FROM customers
-> WHERE address = 'Delhi';
```

customer_id	first_name	last_name	DOB	email	phone_number	address
2	Jane	Smith	1985-08-22	jane.smith@email.com	987-654-3210	Delhi

1 row in set (0.00 sec)

```
mysql> |
```

Filtering Data: IN, DISTINCT, AND, OR, IN, BETWEEN, LIKE, Column & table aliases

```
mysql> SELECT *
-> FROM customers
-> WHERE address IN ('Pune', 'Delhi', 'Chennai');
```

customer_id	first_name	last_name	DOB	email	phone_number	address
2	Jane	Smith	1985-08-22	jane.smith@email.com	987-654-3210	Delhi
3	Bob	Johnson	1995-02-10	bob.johnson@email.com	555-123-4567	Chennai
4	Alice	Williams	1988-11-30	alice.williams@email.com	321-654-9870	Pune

3 rows in set (0.00 sec)

```
mysql> |
```

```
mysql> SELECT *
-> FROM customers
-> WHERE address = 'Delhi' AND DOB > '1980-01-01';
```

customer_id	first_name	last_name	DOB	email	phone_number	address
2	Jane	Smith	1985-08-22	jane.smith@email.com	987-654-3210	Delhi

1 row in set (0.00 sec)

```
mysql> |
```

```
mysql> SELECT DISTINCT address
-> FROM customers;
```

address
UpdatedCity
Delhi
Chennai
Pune
Nagpur
Kolkata
Hydrabad
Chandigadh
Kanpur
Jaypur

10 rows in set (0.00 sec)

```
mysql> SELECT *
-> FROM customers
-> WHERE address = 'Nagpur' OR address = 'Kolkata';
```

customer_id	first_name	last_name	DOB	email	phone_number	address
5	Charlie	Brown	1992-07-18	charlie.brown@email.com	777-888-9999	Nagpur
6	Emma	Davis	1982-04-05	emma.davis@email.com	111-222-3333	Kolkata

2 rows in set (0.00 sec)

mysql> |

```
mysql> SELECT *
-> FROM customers
-> WHERE DOB BETWEEN '1980-01-01' AND '1990-01-01';
```

customer_id	first_name	last_name	DOB	email	phone_number	address
2	Jane	Smith	1985-08-22	jane.smith@email.com	987-654-3210	Delhi
4	Alice	Williams	1988-11-30	alice.williams@email.com	321-654-9870	Pune
6	Emma	Davis	1982-04-05	emma.davis@email.com	111-222-3333	Kolkata
8	Sophia	Taylor	1987-06-12	sophia.taylor@email.com	999-888-7777	Chandigadh
10	Olivia	Clark	1980-12-20	olivia.clark@email.com	222-444-5555	Jaypur

5 rows in set (0.00 sec)

mysql> |

```
mysql> SELECT *
-> FROM customers
-> WHERE first_name LIKE 'J%';
```

customer_id	first_name	last_name	DOB	email	phone_number	address
2	Jane	Smith	1985-08-22	jane.smith@email.com	987-654-3210	Delhi

1 row in set (0.00 sec)

mysql> |

Total Aggregations using SQL Queries

```
mysql> SELECT SUM(balance) AS total_balance
      -> FROM accounts;
+-----+
| total_balance |
+-----+
|      76500.00 |
+-----+
1 row in set (0.00 sec)
```

```
mysql> SELECT COUNT(*) AS total_customers
      -> FROM customers;
+-----+
| total_customers |
+-----+
|              10 |
+-----+
1 row in set (0.00 sec)
```

```
mysql> SELECT AVG(balance) AS average_balance
      -> FROM accounts;
+-----+
| average_balance |
+-----+
|    7650.000000 |
+-----+
1 row in set (0.00 sec)
```

```
mysql> SELECT MIN(balance) AS minimum_balance
      -> FROM accounts;
+-----+
| minimum_balance |
+-----+
|        3000.00 |
+-----+
1 row in set (0.00 sec)
```

Group By Aggregations using SQL Queries

```
mysql> SELECT account_type, AVG(balance) AS average_balance
-> FROM accounts
-> GROUP BY account_type
-> HAVING AVG(balance) > 5000;
+-----+-----+
| account_type | average_balance |
+-----+-----+
| savings      | 5200.000000     |
| current      | 10100.000000    |
+-----+-----+
2 rows in set (0.01 sec)
```

Filter Data based on Aggregated Results using Group By and Having

```
mysql> SELECT c.customer_id, c.first_name, c.last_name, SUM(a.balance) AS total_balance
-> FROM customers c
-> JOIN accounts a ON c.customer_id = a.customer_id
-> GROUP BY c.customer_id, c.first_name, c.last_name
-> HAVING SUM(a.balance) > 10000;
+-----+-----+-----+-----+
| customer_id | first_name | last_name | total_balance |
+-----+-----+-----+-----+
|          4 | Alice      | Williams | 12000.00      |
|          10 | Olivia     | Clark    | 11000.00      |
+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> |
```

Using an Inner Join

```
mysql> SELECT c.customer_id, c.first_name, c.last_name, SUM(a.balance) AS total_balance
-> FROM customers c
-> JOIN accounts a ON c.customer_id = a.customer_id
-> GROUP BY c.customer_id, c.first_name, c.last_name
-> HAVING SUM(a.balance) > 10000;
+-----+-----+-----+-----+
| customer_id | first_name | last_name | total_balance |
+-----+-----+-----+-----+
|          4 | Alice      | Williams | 12000.00      |
|          10 | Olivia     | Clark    | 11000.00      |
+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> |
```

Using Left Join

```
mysql> SELECT c.customer_id, c.first_name, c.last_name, COALESCE(SUM(a.balance), 0) AS total_balance
-> FROM customers c
-> LEFT JOIN accounts a ON c.customer_id = a.customer_id
-> GROUP BY c.customer_id, c.first_name, c.last_name
-> HAVING COALESCE(SUM(a.balance), 0) > 10000;
+-----+-----+-----+-----+
| customer_id | first_name | last_name | total_balance |
+-----+-----+-----+-----+
|          4 | Alice      | Williams  |      12000.00 |
|          10 | Olivia     | Clark     |      11000.00 |
+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> |
```

Using Right Join

```
mysql> SELECT c.customer_id, c.first_name, c.last_name, COALESCE(SUM(a.balance), 0) AS total_balance
-> FROM customers c
-> RIGHT JOIN accounts a ON c.customer_id = a.customer_id
-> WHERE a.account_type = 'savings'
-> GROUP BY c.customer_id, c.first_name, c.last_name
-> HAVING COALESCE(SUM(a.balance), 0) > 5000;
+-----+-----+-----+-----+
| customer_id | first_name | last_name | total_balance |
+-----+-----+-----+-----+
|          3 | Bob        | Johnson   |      8000.00 |
|          7 | Michael    | Jones     |      6000.00 |
+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> |
```


Using Cross Join

```
mysql> SELECT c.customer_id, c.first_name, c.last_name, a.account_id, a.account_type, a.balance
-> FROM customers c
-> CROSS JOIN accounts a;
```

customer_id	first_name	last_name	account_id	account_type	balance
10	Olivia	Clark	101	savings	5000.00
9	David	Moore	101	savings	5000.00
8	Sophia	Taylor	101	savings	5000.00
7	Michael	Jones	101	savings	5000.00
6	Emma	Davis	101	savings	5000.00
5	Charlie	Brown	101	savings	5000.00
4	Alice	Williams	101	savings	5000.00
3	Bob	Johnson	101	savings	5000.00
2	Jane	Smith	101	savings	5000.00
1	UpdatedFirstName	UpdatedLastName	101	savings	5000.00
10	Olivia	Clark	102	current	10000.00
9	David	Moore	102	current	10000.00
8	Sophia	Taylor	102	current	10000.00
7	Michael	Jones	102	current	10000.00
6	Emma	Davis	102	current	10000.00
5	Charlie	Brown	102	current	10000.00
4	Alice	Williams	102	current	10000.00
3	Bob	Johnson	102	current	10000.00
2	Jane	Smith	102	current	10000.00
1	UpdatedFirstName	UpdatedLastName	102	current	10000.00
10	Olivia	Clark	103	savings	8000.00
9	David	Moore	103	savings	8000.00
8	Sophia	Taylor	103	savings	8000.00
7	Michael	Jones	103	savings	8000.00
6	Emma	Davis	103	savings	8000.00
5	Charlie	Brown	103	savings	8000.00
4	Alice	Williams	103	savings	8000.00
3	Bob	Johnson	103	savings	8000.00
2	Jane	Smith	103	savings	8000.00
1	UpdatedFirstName	UpdatedLastName	103	savings	8000.00
10	Olivia	Clark	104	current	12000.00
9	David	Moore	104	current	12000.00
8	Sophia	Taylor	104	current	12000.00
7	Michael	Jones	104	current	12000.00
6	Emma	Davis	104	current	12000.00
5	Charlie	Brown	104	current	12000.00
4	Alice	Williams	104	current	12000.00
3	Bob	Johnson	104	current	12000.00
2	Jane	Smith	104	current	12000.00
1	UpdatedFirstName	UpdatedLastName	104	current	12000.00
10	Olivia	Clark	105	savings	3000.00
9	David	Moore	105	savings	3000.00
8	Sophia	Taylor	105	savings	3000.00


```

      8 | Sophia      | Taylor      |      106 | current    | 8000.00 |
      7 | Michael    | Jones       |      106 | current    | 8000.00 |
      6 | Emma       | Davis       |      106 | current    | 8000.00 |
      5 | Charlie    | Brown       |      106 | current    | 8000.00 |
      4 | Alice      | Williams    |      106 | current    | 8000.00 |
      3 | Bob        | Johnson     |      106 | current    | 8000.00 |
      2 | Jane       | Smith       |      106 | current    | 8000.00 |
      1 | UpdatedFirstName | UpdatedLastName |      106 | current    | 8000.00 |
     10 | Olivia     | Clark       |      107 | savings    | 6000.00 |
      9 | David      | Moore       |      107 | savings    | 6000.00 |
      8 | Sophia     | Taylor      |      107 | savings    | 6000.00 |
      7 | Michael    | Jones       |      107 | savings    | 6000.00 |
      6 | Emma       | Davis       |      107 | savings    | 6000.00 |
      5 | Charlie    | Brown       |      107 | savings    | 6000.00 |
      4 | Alice      | Williams    |      107 | savings    | 6000.00 |
      3 | Bob        | Johnson     |      107 | savings    | 6000.00 |
      2 | Jane       | Smith       |      107 | savings    | 6000.00 |
      1 | UpdatedFirstName | UpdatedLastName |      107 | savings    | 6000.00 |
     10 | Olivia     | Clark       |      108 | current    | 9500.00 |
      9 | David      | Moore       |      108 | current    | 9500.00 |
      8 | Sophia     | Taylor      |      108 | current    | 9500.00 |
      7 | Michael    | Jones       |      108 | current    | 9500.00 |
      6 | Emma       | Davis       |      108 | current    | 9500.00 |
      5 | Charlie    | Brown       |      108 | current    | 9500.00 |
      4 | Alice      | Williams    |      108 | current    | 9500.00 |
      3 | Bob        | Johnson     |      108 | current    | 9500.00 |
      2 | Jane       | Smith       |      108 | current    | 9500.00 |
      1 | UpdatedFirstName | UpdatedLastName |      108 | current    | 9500.00 |
     10 | Olivia     | Clark       |      109 | savings    | 4000.00 |
      9 | David      | Moore       |      109 | savings    | 4000.00 |
      8 | Sophia     | Taylor      |      109 | savings    | 4000.00 |
      7 | Michael    | Jones       |      109 | savings    | 4000.00 |
      6 | Emma       | Davis       |      109 | savings    | 4000.00 |
      5 | Charlie    | Brown       |      109 | savings    | 4000.00 |
      4 | Alice      | Williams    |      109 | savings    | 4000.00 |
      3 | Bob        | Johnson     |      109 | savings    | 4000.00 |
      2 | Jane       | Smith       |      109 | savings    | 4000.00 |
      1 | UpdatedFirstName | UpdatedLastName |      109 | savings    | 4000.00 |
     10 | Olivia     | Clark       |      110 | current    | 11000.00 |
      9 | David      | Moore       |      110 | current    | 11000.00 |
      8 | Sophia     | Taylor      |      110 | current    | 11000.00 |
      7 | Michael    | Jones       |      110 | current    | 11000.00 |
      6 | Emma       | Davis       |      110 | current    | 11000.00 |
      5 | Charlie    | Brown       |      110 | current    | 11000.00 |
      4 | Alice      | Williams    |      110 | current    | 11000.00 |
      3 | Bob        | Johnson     |      110 | current    | 11000.00 |
      2 | Jane       | Smith       |      110 | current    | 11000.00 |
      1 | UpdatedFirstName | UpdatedLastName |      110 | current    | 11000.00 |
+-----+-----+-----+-----+-----+-----+
100 rows in set (0.00 sec)

```

Using an Equi Join

```

mysql> SELECT c.customer_id,c.first_name,c.last_name,a.account_id,a.account_type,a.balance
-> FROM Customers c,Accounts a
-> WHERE c.customer_id=a.customer_id;

```

```

+-----+-----+-----+-----+-----+-----+
| customer_id | first_name | last_name | account_id | account_type | balance |
+-----+-----+-----+-----+-----+-----+
|      1     | UpdatedFirstName | UpdatedLastName |      101 | savings    | 5000.00 |
|      2     | Jane         | Smith        |      102 | current    | 10000.00 |
|      3     | Bob          | Johnson      |      103 | savings    | 8000.00 |
|      4     | Alice        | Williams     |      104 | current    | 12000.00 |
|      5     | Charlie      | Brown        |      105 | savings    | 3000.00 |
|      6     | Emma         | Davis        |      106 | current    | 8000.00 |
|      7     | Michael      | Jones        |      107 | savings    | 6000.00 |
|      8     | Sophia       | Taylor       |      108 | current    | 9500.00 |
|      9     | David        | Moore        |      109 | savings    | 4000.00 |
|     10     | Olivia       | Clark        |      110 | current    | 11000.00 |
+-----+-----+-----+-----+-----+-----+
10 rows in set (0.00 sec)

```

Using non Equi join

```
mysql> SELECT c.customer_id,c.first_name,c.last_name,a.account_id,a.account_type,a.balance
-> FROM Customers c,Accounts a
-> WHERE c.customer_id>=a.customer_id;
```

customer_id	first_name	last_name	account_id	account_type	balance
1	UpdatedFirstName	UpdatedLastName	101	savings	5000.00
2	Jane	Smith	101	savings	5000.00
3	Bob	Johnson	101	savings	5000.00
4	Alice	Williams	101	savings	5000.00
5	Charlie	Brown	101	savings	5000.00
6	Emma	Davis	101	savings	5000.00
7	Michael	Jones	101	savings	5000.00
8	Sophia	Taylor	101	savings	5000.00
9	David	Moore	101	savings	5000.00
10	Olivia	Clark	101	savings	5000.00
2	Jane	Smith	102	current	10000.00
3	Bob	Johnson	102	current	10000.00
4	Alice	Williams	102	current	10000.00
5	Charlie	Brown	102	current	10000.00
6	Emma	Davis	102	current	10000.00
7	Michael	Jones	102	current	10000.00
8	Sophia	Taylor	102	current	10000.00
9	David	Moore	102	current	10000.00
10	Olivia	Clark	102	current	10000.00
3	Bob	Johnson	103	savings	8000.00
4	Alice	Williams	103	savings	8000.00
5	Charlie	Brown	103	savings	8000.00
6	Emma	Davis	103	savings	8000.00
7	Michael	Jones	103	savings	8000.00
8	Sophia	Taylor	103	savings	8000.00
9	David	Moore	103	savings	8000.00
10	Olivia	Clark	103	savings	8000.00
4	Alice	Williams	104	current	12000.00
5	Charlie	Brown	104	current	12000.00
6	Emma	Davis	104	current	12000.00
7	Michael	Jones	104	current	12000.00
8	Sophia	Taylor	104	current	12000.00
9	David	Moore	104	current	12000.00
10	Olivia	Clark	104	current	12000.00
5	Charlie	Brown	105	savings	3000.00
6	Emma	Davis	105	savings	3000.00
7	Michael	Jones	105	savings	3000.00
8	Sophia	Taylor	105	savings	3000.00
9	David	Moore	105	savings	3000.00
10	Olivia	Clark	105	savings	3000.00
6	Emma	Davis	106	current	8000.00
7	Michael	Jones	106	current	8000.00
8	Sophia	Taylor	106	current	8000.00
9	David	Moore	106	current	8000.00
10	Olivia	Clark	106	current	8000.00
7	Michael	Jones	107	savings	6000.00
8	Sophia	Taylor	107	savings	6000.00
9	David	Moore	107	savings	6000.00
10	Olivia	Clark	107	savings	6000.00
8	Sophia	Taylor	108	current	9500.00
9	David	Moore	108	current	9500.00
10	Olivia	Clark	108	current	9500.00
9	David	Moore	109	savings	4000.00
10	Olivia	Clark	109	savings	4000.00
10	Olivia	Clark	110	current	11000.00

55 rows in set (0.00 sec)

Querying Data by Using Subqueries

```
mysql> SELECT customer_id, balance
-> FROM accounts
-> WHERE balance > (SELECT AVG(balance) FROM accounts);
```

customer_id	balance
2	10000.00
3	8000.00
4	12000.00
6	8000.00
8	9500.00
10	11000.00

```
6 rows in set (0.00 sec)
```

Using Nested subqueries

```
mysql> SELECT c.customer_id,c.first_name,c.last_name,a.balance,c.address
-> FROM Accounts a,Customers c
-> WHERE balance > (
-> SELECT AVG(a.balance)
-> FROM accounts
-> WHERE a.customer_id=c.customer_id
-> );
Empty set (0.00 sec)

mysql> |
```