Part B

```
mysql> select * from Employee_Details;
+-------+---------+-----------------+------------+--------------------+
| EMPNO | ENAME   | DATA_OF_JOINING | SAL_NUMBER | DEPTNAME           |
+-------+---------+-----------------+------------+--------------------+
|  1001 | Sanket  | 2025-01-01      |       8000 | HR                 |
|  1002 | Parth   | 2023-01-19      |       4000 | Software Developer |
|  1003 | Krishna | 2023-06-19      |       4000 | SDE                |
|  1004 | Abhinav | 2024-06-15      |      19000 | Tester             |
|  1005 | Rohit   | 2022-03-10      |      12000 | Marketing          |
|  1006 | Ankit   | 2021-08-21      |      15000 | Finance            |
|  1007 | Vivek   | 2023-11-01      |       9500 | Sales              |
|  1008 | Karan   | 2024-12-05      |      11000 | Support            |
|  1009 | Suresh  | 2023-09-15      |      10500 | HR                 |
|  1010 | Amit    | 2025-02-28      |       8000 | Software Developer |
|  1011 | Manish  | 2023-05-22      |      13500 | SDE                |
|  1012 | Rahul   | 2024-07-07      |      14500 | Tester             |
|  1013 | Rakesh  | 2022-04-30      |      10000 | Marketing          |
|  1014 | Deepak  | 2023-10-19      |      14000 | Finance            |
|  1015 | Sanjay  | 2024-01-12      |      11500 | Sales              |
+-------+---------+-----------------+------------+--------------------+
15 rows in set (0.00 sec)

mysql> SELECT DISTINCT DEPTNAME FROM Employee_Details;
+--------------------+
| DEPTNAME           |
+--------------------+
| HR                 |
| Software Developer |
| SDE                |
| Tester             |
| Marketing          |
| Finance            |
| Sales              |
| Support            |
+--------------------+
8 rows in set (0.00 sec)

mysql> select * from Employee_Details ORDER BY SAL_NUMBER ASC;;
+-------+---------+-----------------+------------+--------------------+
| EMPNO | ENAME   | DATA_OF_JOINING | SAL_NUMBER | DEPTNAME           |
+-------+---------+-----------------+------------+--------------------+
|  1002 | Parth   | 2023-01-19      |       4000 | Software Developer |
|  1003 | Krishna | 2023-06-19      |       4000 | SDE                |
|  1001 | Sanket  | 2025-01-01      |       8000 | HR                 |
|  1010 | Amit    | 2025-02-28      |       8000 | Software Developer |
|  1007 | Vivek   | 2023-11-01      |       9500 | Sales              |
|  1013 | Rakesh  | 2022-04-30      |      10000 | Marketing          |
|  1009 | Suresh  | 2023-09-15      |      10500 | HR                 |
|  1008 | Karan   | 2024-12-05      |      11000 | Support            |
|  1015 | Sanjay  | 2024-01-12      |      11500 | Sales              |
|  1005 | Rohit   | 2022-03-10      |      12000 | Marketing          |
|  1011 | Manish  | 2023-05-22      |      13500 | SDE                |
|  1014 | Deepak  | 2023-10-19      |      14000 | Finance            |
|  1012 | Rahul   | 2024-07-07      |      14500 | Tester             |
|  1006 | Ankit   | 2021-08-21      |      15000 | Finance            |
|  1004 | Abhinav | 2024-06-15      |      19000 | Tester             |
```

```
mysql> select * from Employee_Details ORDER BY SAL_NUMBER ASC;;
+-------+---------+-----------------+------------+--------------------+
| EMPNO | ENAME   | DATA_OF_JOINING | SAL_NUMBER | DEPTNAME           |
+-------+---------+-----------------+------------+--------------------+
|  1002 | Parth   | 2023-01-19      |       4000 | Software Developer |
|  1003 | Krishna | 2023-06-19      |       4000 | SDE                |
|  1001 | Sanket  | 2025-01-01      |       8000 | HR                 |
|  1010 | Amit    | 2025-02-28      |       8000 | Software Developer |
|  1007 | Vivek   | 2023-11-01      |       9500 | Sales              |
|  1013 | Rakesh  | 2022-04-30      |      10000 | Marketing          |
|  1009 | Suresh  | 2023-09-15      |      10500 | HR                 |
|  1008 | Karan   | 2024-12-05      |      11000 | Support            |
|  1015 | Sanjay  | 2024-01-12      |      11500 | Sales              |
|  1005 | Rohit   | 2022-03-10      |      12000 | Marketing          |
|  1011 | Manish  | 2023-05-22      |      13500 | SDE                |
|  1014 | Deepak  | 2023-10-19      |      14000 | Finance            |
|  1012 | Rahul   | 2024-07-07      |      14500 | Tester             |
|  1006 | Ankit   | 2021-08-21      |      15000 | Finance            |
|  1004 | Abhinav | 2024-06-15      |      19000 | Tester             |
+-------+---------+-----------------+------------+--------------------+
15 rows in set (0.00 sec)

ERROR:
No query specified

mysql> select * from Employee_Details where DATE_OF_JOINING<'1981-01-01';
ERROR 1054 (42S22): Unknown column 'DATE_OF_JOINING' in 'where clause'
mysql> select * from Employee_Details where DATE_OF_JOINING < '1981-01-01';
ERROR 1054 (42S22): Unknown column 'DATE_OF_JOINING' in 'where clause'
mysql> SELECT * FROM Employee_Details WHERE DATA_OF_JOINING < '1981-01-01';
Empty set (0.00 sec)

mysql> SELECT * FROM Employee_Details
    -> WHERE YEAR(DATA_OF_JOINING) = 1981;
Empty set (0.00 sec)

mysql> SELECT AVG(SAL_NUMBER) AS Average_Salary FROM Employee_Details;
+----------------+
| Average_Salary |
+----------------+
|     10966.6667 |
+----------------+
1 row in set (0.04 sec)

mysql> SELECT MIN(SAL_NUMBER) AS Min_Salary, MAX(SAL_NUMBER) AS Max_Salary FROM Employee_Details;
+------------+------------+
| Min_Salary | Max_Salary |
+------------+------------+
|       4000 |      19000 |
+------------+------------+
1 row in set (0.00 sec)

mysql> SELECT * FROM Employee_Details
    -> WHERE ENAME LIKE 'P%';
```

```
+------------+-----------+
|      4000  |    19000  |
+------------+-----------+
1 row in set (0.00 sec)

mysql> SELECT * FROM Employee_Details
    -> WHERE ENAME LIKE 'P%';
+--------+--------+-----------------+------------+--------------------+
| EMPNO  | ENAME  | DATA_OF_JOINING | SAL_NUMBER | DEPTNAME           |
+--------+--------+-----------------+------------+--------------------+
|  1002  | Parth  | 2023-01-19      |       4000 | Software Developer |
+--------+--------+-----------------+------------+--------------------+
1 row in set (0.00 sec)

mysql> SELECT * FROM Employee_Details
    -> WHERE ENAME LIKE '%a';
+--------+---------+-----------------+------------+----------+
| EMPNO  | ENAME   | DATA_OF_JOINING | SAL_NUMBER | DEPTNAME |
+--------+---------+-----------------+------------+----------+
|  1003  | Krishna | 2023-06-19      |       4000 | SDE      |
+--------+---------+-----------------+------------+----------+
1 row in set (0.01 sec)

mysql> SELECT MAX(SAL_NUMBER) AS Second_Highest_Salary
    -> FROM Employee_Details
    -> WHERE SAL_NUMBER < (SELECT MAX(SAL_NUMBER) FROM Employee_Details);
+-----------------------+
| Second_Highest_Salary |
+-----------------------+
|                 15000 |
+-----------------------+
1 row in set (0.04 sec)

mysql> SELECT * FROM Employee_Details WHERE SAL_NUMBER>=10000;
+--------+---------+-----------------+------------+-----------+
| EMPNO  | ENAME   | DATA_OF_JOINING | SAL_NUMBER | DEPTNAME  |
+--------+---------+-----------------+------------+-----------+
|  1004  | Abhinav | 2024-06-15      |      19000 | Tester    |
|  1005  | Rohit   | 2022-03-10      |      12000 | Marketing |
|  1006  | Ankit   | 2021-08-21      |      15000 | Finance   |
|  1008  | Karan   | 2024-12-05      |      11000 | Support   |
|  1009  | Suresh  | 2023-09-15      |      10500 | HR        |
|  1011  | Manish  | 2023-05-22      |      13500 | SDE       |
|  1012  | Rahul   | 2024-07-07      |      14500 | Tester    |
|  1013  | Rakesh  | 2022-04-30      |      10000 | Marketing |
|  1014  | Deepak  | 2023-10-19      |      14000 | Finance   |
|  1015  | Sanjay  | 2024-01-12      |      11500 | Sales     |
+--------+---------+-----------------+------------+-----------+
10 rows in set (0.00 sec)

mysql> SELECT DEPTNAME, MAX(SAL_NUMBER) AS Max_Salary
    -> FROM Employee_Details
    -> GROUP BY DEPTNAME;
+---------------------+------------+
| DEPTNAME            | Max_Salary |
+---------------------+------------+
```

```
|  1009  | Suresh  | 2023-09-15      |      10500 | HR        |
|  1011  | Manish  | 2023-05-22      |      13500 | SDE       |
|  1012  | Rahul   | 2024-07-07      |      14500 | Tester    |
|  1013  | Rakesh  | 2022-04-30      |      10000 | Marketing |
|  1014  | Deepak  | 2023-10-19      |      14000 | Finance   |
|  1015  | Sanjay  | 2024-01-12      |      11500 | Sales     |
+--------+---------+-----------------+------------+-----------+
10 rows in set (0.00 sec)

mysql> SELECT DEPTNAME, MAX(SAL_NUMBER) AS Max_Salary
    -> FROM Employee_Details
    -> GROUP BY DEPTNAME;
+--------------------+------------+
| DEPTNAME           | Max_Salary |
+--------------------+------------+
| HR                 |      10500 |
| Software Developer |       8000 |
| SDE                |      13500 |
| Tester             |      19000 |
| Marketing          |      12000 |
| Finance            |      15000 |
| Sales              |      11500 |
| Support            |      11000 |
+--------------------+------------+
8 rows in set (0.00 sec)

mysql> UPDATE Employee_Details
    -> SET SAL_NUMBER = SAL_NUMBER * 1.10;
Query OK, 15 rows affected (0.04 sec)
Rows matched: 15  Changed: 15  Warnings: 0

mysql> SELECT e.ENAME AS Employee_Name, e.DEPTNAME AS Department, e.SAL_NUMBER * 1.10 AS Increased_Salary
    -> FROM Employee_Details e;
+---------------+--------------------+------------------+
| Employee_Name | Department         | Increased_Salary |
+---------------+--------------------+------------------+
| Sanket        | HR                 |          9680.00 |
| Parth         | Software Developer |          4840.00 |
| Krishna       | SDE                |          4840.00 |
| Abhinav       | Tester             |         22990.00 |
| Rohit         | Marketing          |         14520.00 |
| Ankit         | Finance            |         18150.00 |
| Vivek         | Sales              |         11495.00 |
| Karan         | Support            |         13310.00 |
| Suresh        | HR                 |         12705.00 |
| Amit          | Software Developer |          9680.00 |
| Manish        | SDE                |         16335.00 |
| Rahul         | Tester             |         17545.00 |
| Rakesh        | Marketing          |         12100.00 |
| Deepak        | Finance            |         16940.00 |
| Sanjay        | Sales              |         13915.00 |
+---------------+--------------------+------------------+
15 rows in set (0.00 sec)

mysql>
```

Part A

```
mysql> select * from Movies;
+----+---------------------+-----------------+------+----------------+
| Id | Title               | Director        | Year | Length_minutes |
+----+---------------------+-----------------+------+----------------+
|  1 | Toy Story           | John Lasseter   | 1995 |             81 |
|  2 | A Bug's Life        | John Lasseter   | 1998 |             95 |
|  3 | Toy Story 2         | John Lasseter   | 1999 |             93 |
|  4 | Monsters, Inc.      | Pete Docter     | 2001 |             92 |
|  5 | Finding Nemo        | Andrew Stanton  | 2003 |            107 |
|  6 | The Incredibles     | Brad Bird       | 2004 |            116 |
|  7 | Cars                | John Lasseter   | 2006 |            117 |
|  8 | Ratatouille         | Brad Bird       | 2007 |            115 |
|  9 | WALL-E              | Andrew Stanton  | 2008 |            104 |
| 10 | Up                  | Pete Docter     | 2009 |            101 |
| 11 | Toy Story 3         | Lee Unkrich     | 2010 |            103 |
| 12 | Cars 2              | John Lasseter   | 2011 |            120 |
| 13 | Brave               | Brenda Chapman  | 2012 |            102 |
| 14 | Monsters University | Dan Scanlon     | 2013 |            110 |
+----+---------------------+-----------------+------+----------------+
14 rows in set (0.01 sec)

mysql> select * from Boxoffice;
+----------+--------+----------------+--------------------+
| Movie_id | Rating | Domestic_sales | International_sales |
+----------+--------+----------------+--------------------+
|        5 |    8.2 |      380843261 |          555900000 |
|       14 |    7.4 |      268492764 |          475066843 |
|        8 |    8.0 |      206445654 |          417277164 |
|       12 |    6.4 |      191452396 |          368400000 |
|        3 |    7.9 |      245852179 |          239163000 |
|        7 |    8.0 |      261441092 |          370001000 |
|        9 |    8.5 |      223808164 |          297503696 |
+----------+--------+----------------+--------------------+
```

```
+----------+--------+----------------+--------------------+
|        5 |    8.2 |      380843261 |          555900000 |
|       14 |    7.4 |      268492764 |          475066843 |
|        8 |    8.0 |      206445654 |          417277164 |
|       12 |    6.4 |      191452396 |          368400000 |
|        3 |    7.9 |      245852179 |          239163000 |
|        7 |    8.0 |      261441092 |          370001000 |
|        9 |    8.5 |      223808164 |          297503696 |
+----------+--------+----------------+--------------------+
7 rows in set (0.00 sec)

mysql> SELECT m.Title, b.Domestic_sales, b.International_sales
    -> FROM Movies m
    -> JOIN Boxoffice b ON m.Id = b.Movie_id;
+---------------------+----------------+--------------------+
| Title               | Domestic_sales | International_sales |
+---------------------+----------------+--------------------+
| Finding Nemo        |      380843261 |          555900000 |
| Monsters University |      268492764 |          475066843 |
| Ratatouille         |      206445654 |          417277164 |
| Cars 2              |      191452396 |          368400000 |
| Toy Story 2         |      245852179 |          239163000 |
| Cars                |      261441092 |          370001000 |
| WALL-E              |      223808164 |          297503696 |
+---------------------+----------------+--------------------+
7 rows in set (0.01 sec)

mysql> SELECT m.Title, b.Domestic_sales, b.International_sales
    -> FROM Movies m
    -> JOIN Boxoffice b ON m.Id = b.Movie_id
    -> WHERE b.International_sales > b.Domestic_sales;
+---------------------+----------------+--------------------+
| Title               | Domestic_sales | International_sales |
```

```
      -> JOIN Boxoffice b ON m.Id = b.Movie_id
      -> WHERE b.International_sales > b.Domestic_sales;
+----------------------+-----------------+---------------------+
| Title                | Domestic_sales  | International_sales  |
+----------------------+-----------------+---------------------+
| Finding Nemo         |      380843261  |           555900000 |
| Monsters University  |      268492764  |           475066843 |
| Ratatouille          |      206445654  |           417277164 |
| Cars 2               |      191452396  |           368400000 |
| Cars                 |      261441092  |           370001000 |
| WALL-E               |      223808164  |           297503696 |
+----------------------+-----------------+---------------------+
6 rows in set (0.00 sec)

mysql> SELECT m.Title, b.Rating
      -> FROM Movies m
      -> JOIN Boxoffice b ON m.Id = b.Movie_id
      -> ORDER BY b.Rating DESC;
+----------------------+--------+
| Title                | Rating |
+----------------------+--------+
| WALL-E               |    8.5 |
| Finding Nemo         |    8.2 |
| Ratatouille          |    8.0 |
| Cars                 |    8.0 |
| Toy Story 2          |    7.9 |
| Monsters University  |    7.4 |
| Cars 2               |    6.4 |
+----------------------+--------+
7 rows in set (0.00 sec)

mysql>
```

```
mysql> select * from orders;
+---------+----------+------------+-------------+-------------+
| ord_no  | purch_amt | ord_date   | customer_id | salesman_id |
+---------+----------+------------+-------------+-------------+
| 70001   |   150.50 | 2012-05-05 |        3005 |        5002 |
| 70002   |    65.26 | 2012-10-05 |        3002 |        5001 |
| 70003   |  2480.40 | 2012-10-10 |        3009 |        5003 |
| 70004   |   110.50 | 2012-08-17 |        3009 |        5003 |
| 70005   |  2400.60 | 2012-07-27 |        3007 |        5001 |
| 70007   |   948.50 | 2012-09-10 |        3005 |        5002 |
| 70008   |  5760.00 | 2012-09-10 |        3002 |        5001 |
| 70009   |   270.65 | 2012-09-10 |        3001 |        5005 |
| 70010   |  1983.43 | 2012-10-10 |        3004 |        5006 |
| 70011   |    75.29 | 2012-08-17 |        3003 |        5007 |
| 70012   |   250.45 | 2012-06-27 |        3008 |        5002 |
| 70013   |  3045.60 | 2012-04-25 |        3002 |        5001 |
+---------+----------+------------+-------------+-------------+
12 rows in set (0.00 sec)

mysql> select * from customer;
+-------------+---------------+------------+-------+-------------+
| customer_id | cust_name     | city       | grade | salesman_id |
+-------------+---------------+------------+-------+-------------+
|        3001 | Brad Guzan    | London     |     0 |        5005 |
|        3002 | Nick Rimando  | New York   |   100 |        5001 |
|        3003 | Jozy Altidore | Moscow     |   200 |        5007 |
|        3004 | Fabian Johnson| Paris      |   300 |        5006 |
|        3005 | Graham Zusi   | California |   200 |        5002 |
|        3007 | Brad Davis    | New York   |   200 |        5001 |
|        3008 | Julian Green  | London     |   300 |        5002 |
|        3009 | Geoff Cameron | Berlin     |   100 |        5003 |
+-------------+---------------+------------+-------+-------------+
8 rows in set (0.00 sec)
```

```
8 rows in set (0.00 sec)

mysql> select * from salesman;
+-------------+-------------+-----------+------------+
| salesman_id | name        | city      | commission |
+-------------+-------------+-----------+------------+
|        5001 | James Hoog  | New York  |       0.15 |
|        5002 | Nail Knite  | Paris     |       0.13 |
|        5003 | Paul Adam   | Rome      |       0.13 |
|        5005 | Pit Alex    | London    |       0.11 |
|        5006 | Mc Lyon     | Paris     |       0.14 |
|        5007 | Lauson Hen  | San Jose  |       0.12 |
+-------------+-------------+-----------+------------+
6 rows in set (0.00 sec)

mysql> SELECT s.name AS Salesman, c.cust_name, c.city
    -> FROM customer c
    -> JOIN salesman s ON c.salesman_id = s.salesman_id
    -> WHERE c.city = s.city;
+------------+----------------+----------+
| Salesman   | cust_name      | city     |
+------------+----------------+----------+
| James Hoog | Nick Rimando   | New York |
| James Hoog | Brad Davis     | New York |
| Pit Alex   | Brad Guzan     | London   |
| Mc Lyon    | Fabian Johnson | Paris    |
+------------+----------------+----------+
4 rows in set (0.01 sec)

mysql> SELECT o.ord_no, o.purch_amt, c.cust_name, c.city
    -> FROM orders o
    -> JOIN customer c ON o.customer_id = c.customer_id
    -> WHERE o.purch_amt BETWEEN 500 AND 2000;
```

```
    -> FROM customer c
    -> JOIN salesman s ON c.salesman_id = s.salesman_id
    -> WHERE c.city = s.city;
+------------+----------------+----------+
| Salesman   | cust_name      | city     |
+------------+----------------+----------+
| James Hoog | Nick Rimando   | New York |
| James Hoog | Brad Davis     | New York |
| Pit Alex   | Brad Guzan     | London   |
| Mc Lyon    | Fabian Johnson | Paris    |
+------------+----------------+----------+
4 rows in set (0.01 sec)

mysql> SELECT o.ord_no, o.purch_amt, c.cust_name, c.city
    -> FROM orders o
    -> JOIN customer c ON o.customer_id = c.customer_id
    -> WHERE o.purch_amt BETWEEN 500 AND 2000;
+--------+-----------+----------------+------------+
| ord_no | purch_amt | cust_name      | city       |
+--------+-----------+----------------+------------+
|  70007 |    948.50 | Graham Zusi    | California |
|  70010 |   1983.43 | Fabian Johnson | Paris      |
+--------+-----------+----------------+------------+
2 rows in set (0.00 sec)

mysql> SELECT c.cust_name AS "Customer Name", c.city, s.name AS Salesman, s.commission
    -> FROM customer c
    -> JOIN salesman s ON c.salesman_id = s.salesman_id;
+----------------+----------+------------+------------+
| Customer Name  | city     | Salesman   | commission |
+----------------+----------+------------+------------+
| Nick Rimando   | New York | James Hoog |       0.15 |
| Brad Davis     | New York | James Hoog |       0.15 |
```

```
+----------------+------------+------------+------------+
| Customer Name  | city       | Salesman   | commission |
+----------------+------------+------------+------------+
| Nick Rimando   | New York   | James Hoog |       0.15 |
| Brad Davis     | New York   | James Hoog |       0.15 |
| Graham Zusi    | California | Nail Knite |       0.13 |
| Julian Green   | London     | Nail Knite |       0.13 |
| Geoff Cameron  | Berlin     | Paul Adam  |       0.13 |
| Brad Guzan     | London     | Pit Alex   |       0.11 |
| Fabian Johnson | Paris      | Mc Lyon    |       0.14 |
| Jozy Altidore  | Moscow     | Lauson Hen |       0.12 |
+----------------+------------+------------+------------+
8 rows in set (0.00 sec)

mysql> SELECT c.cust_name AS "Customer Name", c.city, s.name AS Salesman, s.commission
    -> FROM customer c
    -> JOIN salesman s ON c.salesman_id = s.salesman_id
    -> WHERE s.commission > 0.12;
+----------------+------------+------------+------------+
| Customer Name  | city       | Salesman   | commission |
+----------------+------------+------------+------------+
| Nick Rimando   | New York   | James Hoog |       0.15 |
| Brad Davis     | New York   | James Hoog |       0.15 |
| Graham Zusi    | California | Nail Knite |       0.13 |
| Julian Green   | London     | Nail Knite |       0.13 |
| Geoff Cameron  | Berlin     | Paul Adam  |       0.13 |
| Fabian Johnson | Paris      | Mc Lyon    |       0.14 |
+----------------+------------+------------+------------+
6 rows in set (0.00 sec)

mysql> SELECT *
    -> FROM orders o
    -> JOIN customer c ON o.customer_id = c.customer_id
```

```
    -> JOIN customer c ON o.customer_id = c.customer_id
    -> JOIN salesman s ON o.salesman_id = s.salesman_id;
+--------+----------+------------+-------------+-------------+-------------+----------------+------------+-------+------------+-------------+------------+-----------+------------+
| ord_no | purch_amt| ord_date   | customer_id | salesman_id | customer_id | cust_name      | city       | grade | salesman_id| salesman_id | name       | city      | commission |
+--------+----------+------------+-------------+-------------+-------------+----------------+------------+-------+------------+-------------+------------+-----------+------------+
| 70002  |    65.26 | 2012-10-05 |        3002 |        5001 |        3002 | Nick Rimando   | New York   |   100 |       5001 |        5001 | James Hoog | New York  |       0.15 |
| 70005  |  2400.60 | 2012-07-27 |        3007 |        5001 |        3007 | Brad Davis     | New York   |   200 |       5001 |        5001 | James Hoog | New York  |       0.15 |
| 70008  |  5760.00 | 2012-09-10 |        3002 |        5001 |        3002 | Nick Rimando   | New York   |   100 |       5001 |        5001 | James Hoog | New York  |       0.15 |
| 70013  |  3045.60 | 2012-04-25 |        3002 |        5001 |        3002 | Nick Rimando   | New York   |   100 |       5001 |        5001 | James Hoog | New York  |       0.15 |
| 70001  |   150.50 | 2012-05-05 |        3005 |        5002 |        3005 | Graham Zusi    | California |   200 |       5002 |        5002 | Nail Knite | Paris     |       0.13 |
| 70007  |   948.50 | 2012-09-10 |        3005 |        5002 |        3005 | Graham Zusi    | California |   200 |       5002 |        5002 | Nail Knite | Paris     |       0.13 |
| 70012  |   250.45 | 2012-06-27 |        3008 |        5002 |        3008 | Julian Green   | London     |   300 |       5002 |        5002 | Nail Knite | Paris     |       0.13 |
| 70003  |  2480.40 | 2012-10-10 |        3009 |        5003 |        3009 | Geoff Cameron  | Berlin     |   100 |       5003 |        5003 | Paul Adam  | Rome      |       0.13 |
| 70004  |   110.50 | 2012-08-17 |        3009 |        5003 |        3009 | Geoff Cameron  | Berlin     |   100 |       5003 |        5003 | Paul Adam  | Rome      |       0.13 |
| 70009  |   270.65 | 2012-09-10 |        3001 |        5005 |        3001 | Brad Guzan     | London     |     0 |       5005 |        5005 | Pit Alex   | London    |       0.11 |
| 70010  |  1983.43 | 2012-10-10 |        3004 |        5006 |        3004 | Fabian Johnson | Paris      |   300 |       5006 |        5006 | Mc Lyon    | Paris     |       0.14 |
| 70011  |    75.29 | 2012-08-17 |        3003 |        5007 |        3003 | Jozy Altidore  | Moscow     |   200 |       5007 |        5007 | Lauson Hen | San Jose  |       0.12 |
+--------+----------+------------+-------------+-------------+-------------+----------------+------------+-------+------------+-------------+------------+-----------+------------+
```

```
mysql> SELECT c.cust_name, c.city AS customer_city, c.grade,
    ->          s.name AS salesman, s.city AS salesman_city
    -> FROM customer c
    -> JOIN salesman s ON c.salesman_id = s.salesman_id
    -> ORDER BY c.customer_id ASC;
+----------------+---------------+-------+------------+---------------+
| cust_name      | customer_city | grade | salesman   | salesman_city |
+----------------+---------------+-------+------------+---------------+
| Brad Guzan     | London        |     0 | Pit Alex   | London        |
| Nick Rimando   | New York      |   100 | James Hoog | New York      |
| Jozy Altidore  | Moscow        |   200 | Lauson Hen | San Jose      |
| Fabian Johnson | Paris         |   300 | Mc Lyon    | Paris         |
| Graham Zusi    | California    |   200 | Nail Knite | Paris         |
| Brad Davis     | New York      |   200 | James Hoog | New York      |
| Julian Green   | London        |   300 | Nail Knite | Paris         |
| Geoff Cameron  | Berlin        |   100 | Paul Adam  | Rome          |
+----------------+---------------+-------+------------+---------------+
8 rows in set (0.00 sec)

mysql> SELECT s.salesman_id, s.name
    -> FROM salesman s
    -> LEFT JOIN customer c ON s.salesman_id = c.salesman_id
    -> GROUP BY s.salesman_id, s.name
    -> ORDER BY s.salesman_id ASC;
+-------------+------------+
| salesman_id | name       |
+-------------+------------+
|        5001 | James Hoog |
|        5002 | Nail Knite |
|        5003 | Paul Adam  |
|        5005 | Pit Alex   |
|        5006 | Mc Lyon    |
```