

1. List name and salary of only those employees having salary more than any of the employee working as Analyst.

```
mysql> SELECT E_name, E_salary FROM emp_21co56
-> WHERE E_salary > ANY (
->     SELECT E_salary FROM emp_21co56
->     WHERE E_job="Analyst"
-> );
```

E_name	E_salary
Aditya	9000
Vishal	9500

2 rows in set (0.01 sec)

2. List name and salary of only those employees having salary more than every employee working as Analyst.

```
mysql> SELECT E_name, E_salary FROM emp_21co56
-> WHERE E_salary > ALL (
->     SELECT E_salary FROM emp_21co56
->     WHERE E_job = "Analyst"
-> );
```

E_name	E_salary
Vishal	9500

1 row in set (0.00 sec)

3. Display the employee who got the maximum salary

```
mysql> SELECT * FROM emp_21co56
-> WHERE E_salary = (
->     SELECT max(E_salary) FROM emp_21co56
-> );
```

E_id	E_name	E_salary	E_hireDate	E_job	D_id	M_id
707	Vishal	9500	2001-01-01	Manager	30	NULL

1 row in set (0.00 sec)

4. Find out the number of employees working in Sales department.

```
mysql> SELECT count(E_id) FROM emp_21co56
      -> WHERE D_id = (
      ->     SELECT D_id FROM dept_21co56
      ->     WHERE D_name = "Sales"
      -> );
```

```
+-----+
| count(E_id) |
+-----+
|           2 |
+-----+
1 row in set (0.00 sec)
```

5. Delete the employees who are working in accounts department.

```
mysql> DELETE FROM emp_21co56
      -> WHERE D_id = (
      ->     SELECT D_id FROM dept_21co56
      ->     WHERE D_name = "Accounts"
      -> );
```

Query OK, 1 row affected (0.01 sec)

```
mysql> SELECT * FROM emp_21co56;
```

```
+-----+-----+-----+-----+-----+-----+-----+
| E_id | E_name | E_salary | E_hireDate | E_job   | D_id | M_id |
+-----+-----+-----+-----+-----+-----+-----+
| 701  | Deepak | 8000    | 2001-01-05 | Analyst | 30   | 707  |
| 703  | Sumesh | 7000    | 2001-02-05 | Salesman | 20   | 705  |
| 704  | Aditya | 9000    | 2003-11-27 | Analyst | 30   | 707  |
| 705  | Lalit  | 6500    | 2002-10-08 | Manager | 20   | 707  |
| 707  | Vishal | 9500    | 2001-01-01 | Manager | 30   | NULL |
+-----+-----+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

6. Display the employees who are working in Sales department.

```
mysql> SELECT * FROM emp_21co56
-> WHERE D_id = (
->     SELECT D_id FROM dept_21co56
->     WHERE D_name = "Sales"
-> );
```

E_id	E_name	E_salary	E_hireDate	E_job	D_id	M_id
703	Sumesh	7000	2001-02-05	Salesman	20	705
705	Lalit	6500	2002-10-08	Manager	20	707

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

7. Display name of those employees having DID same as that of Sumesh

```
mysql> SELECT E_name FROM emp_21co56
-> WHERE D_id = (
->     SELECT D_id FROM emp_21co56
->     WHERE E_name = "Sumesh"
-> );
```

E_name
Sumesh
Lalit

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

8. List out the employees who earn more than the average salary of their department order by department number.

```
mysql> SELECT e.E_id, e.E_name, e.E_salary, e.D_id
-> FROM emp_21co56 e
-> INNER JOIN (
->     SELECT D_id, AVG(E_salary) AS avg_salary
->     FROM emp_21co56
->     GROUP BY D_id
-> ) AS avg_salaries
-> ON e.D_id = avg_salaries.D_id
-> WHERE e.E_salary > avg_salaries.avg_salary
-> ORDER BY e.D_id;
```

E_id	E_name	E_salary	D_id
703	Sumesh	7000	20
704	Aditya	9000	30
707	Vishal	9500	30

3 rows in set (0.02 sec)

9. Find the employee with the second highest salary in the employee table

```
mysql> SELECT E_id, E_name, E_salary FROM emp_21co56
-> WHERE E_salary = (
->     SELECT max(E_salary) FROM emp_21co56
->     WHERE E_salary != (
->         SELECT max(E_salary) FROM emp_21co56
->     )
-> );
```

E_id	E_name	E_salary
704	Aditya	9000

1 row in set (0.01 sec)

10. Find out the employees who earned the highest Salary in each job typed sort in descending Salary order.

```
mysql> SELECT E_id, E_name, E_salary, E_job  
-> FROM emp_21co56 e1  
-> WHERE E_salary = (  
->     SELECT MAX(E_salary)  
->     FROM emp_21co56 e2  
->     WHERE e2.E_job = e1.E_job  
-> )  
-> ORDER BY E_salary DESC;
```

E_id	E_name	E_salary	E_job
707	Vishal	9500	Manager
704	Aditya	9000	Analyst
703	Sumesh	7000	Salesman

3 rows in set (0.01 sec)