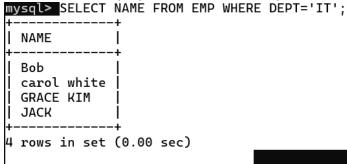
emp_id	name	department	salary	Joining_date	city
1	Alice Smith	HR	45000	2020-02-15	New York
2	Bob Johnson	IT	60000	2019-08-23	Chicago
3	Carol White	IT	75000	2021-01-10	New York
4	David Brown	Finance	50000	2020-06-01	San Diego
5	Eva Adams	HR	47000	2018-04-12	Chicago
6	Frank Lee	Finance	65000	2021-11-05	New York
7	Grace Kim	IT	80000	2017-09-18	San Diego
8	Henry Clark	Marketing	55000	2019-12-29	Chicago
9	Irene Scott	Marketing	53000	2021-03-22	New York
10	Jack Davis	IT	72000	2020-08-14	Chicago

## Sample Queries to Practice

- 1. Show all employees who work in the IT department.
- 2. Find employees whose salary is greater than 60,000.
- 3. Get all employees who joined after 1st Jan 2020.
- 4. Find the total salary paid to employees in each department.
- 5. Show the highest paid employee in the Finance department.
- 6. List employees who are from Chicago and earn more than 55,000.
- 7. Find the number of employees in each city
- 8. Show employees in the IT department ordered by salary in descending order
- 9. Display the average salary of all employees.
- 10. Get the details of the top 3 highest paid employees

## **ANSWERS:**

1) To show all the employees who work in IT department:



2) To find employees whose salary s greater than 60,000

3) To get all employees who joined after 1<sup>st</sup> jan 2020:

4) To find total salary paid to employees in each department:

```
mysql> select sum(salary) from emp group by dept;

+-----+

| sum(salary) |

+-----+

| 92000 |

| 287000 |

| 115000 |

| 108000 |

+-----+

4 rows in set (0.00 sec)
```

5) To show the highest paid employee in finance department:

6) To list employess who are from chicago and earn more than 55000:

7) To find the number of employees in each city:

```
mysql> select count(name) as 'no.of.emp' from emp group by dept;
+-----+
| no.of.emp |
+-----+
| 2 |
| 4 |
| 2 |
| 2 |
+------+
4 rows in set (0.00 sec)
```

8) To show employees in the IT department ordered by salary in descending order:

```
mysql> SELECT NAME FROM EMP WHERE DEPT='IT' ORDER BY SALARY DESC;
NAME
 GRACE KIM
 carol white
 JACK
Bob
4 rows in set (0.00 sec)
```

9) To display average salaries of all employees:

```
mysql> select avg(salary) as 'avg' from emp;
  avg
 60200.0000
1 row in set (0.00 sec)
```

10) To get the details of top 3 highest paid employees:

```
mysql> select * from emp order by salary desc limit 3;
                      | dept | salary | joining_date | city
emp_id | name
      9 | GRACE KIM | IT
                               80000
                                       2017-09-18
                                                    CHICAGO
      3 | carol white | IT
                               75000 | 2021-05-09
                                                     New York
                      | IT
     10 JACK
                               72000 | 2020-08-14
                                                   CHICAGO
```

3 rows in set (0.01 sec)