

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

1. show all employees who work in the IT department.

```
mysql> select name from employees
-> where department="IT";
+-----+
| name |
+-----+
| Bob Johnson |
| Carol White |
| Grace Kim |
| Jack Davis |
+-----+
4 rows in set (0.00 sec)
```

2. Find employees whose salary is greater than 60,000.

```
mysql> select name,salary from employees
-> where salary>60000;
+-----+-----+
| name | salary |
+-----+-----+
| Carol White | 75000 |
| Frank Lee | 65000 |
| Grace Kim | 80000 |
| Jack Davis | 72000 |
+-----+-----+
4 rows in set (0.00 sec)
```

3. Get all employees who joined after 1st jan 2020.

```
mysql> select name,joining_date from employees
-> where joining_date>"2020-01-01";
```

name	joining_date
Alice Smith	2020-02-15
Carol White	2021-01-10
David Brown	2020-06-01
Frank Lee	2021-11-05
Irene Scott	2021-03-22
Jack Davis	2020-08-14

4.Find the total salary paid to employees in each department.

```
mysql> select department,sum(salary)
-> from employees
-> group by department;
```

department	sum(salary)
HR	92000
IT	287000
Finance	115000
Marketing	108000

5.Show the highest paid employee in the Finance department.

```
mysql> select name,salary from employees
-> where department="Finance"
-> order by salary desc
-> limit 1;
```

name	salary
Frank Lee	65000

6.List employees who are from Chicago and earn more than 55,000.

```
mysql> select name from employees
-> where city="Chicago" and salary>55000;
```

name
Bob Johnson
Jack Davis

7. Find the number of employees in each city.

```
mysql> select city, count(*) as no_of_employees from employees
-> group by city;
```

city	no_of_employees
New York	4
Chicago	4
San Diego	2

8. Show employees in the IT department ordered by salary in descending order.

```
mysql> select name, department, salary from employees
-> where department="IT"
-> order by salary desc;
```

name	department	salary
Grace Kim	IT	80000
Carol White	IT	75000
Jack Davis	IT	72000
Bob Johnson	IT	60000

9. Display the average salary of all employees.

```
mysql> select avg(salary) from employees;
```

avg(salary)
60200.0000

10. Get the details of the top 3 highest paid employees.

```
mysql> select * from employees
-> order by salary desc
-> limit 3;
```

emp_id	name	department	salary	joining_date	city
7	Grace Kim	IT	80000	2017-09-18	San Diego
3	Carol White	IT	75000	2021-01-10	New York
10	Jack Davis	IT	72000	2020-08-14	Chicago

