mysql> select \* from employees;

+--------+-----------+--------------------+-----------+-----------+--------+----

-----+

| emp\_id | emp\_name | job\_name | manage\_id | hire\_date | salary | dep

t\_id |

+--------+-----------+--------------------+-----------+-----------+--------+----

-----+

| 1 | aravind | associate engineer | 548932 | 2020 | 30000 |

11 |

| 2 | prashanth | softwareengineer | 456210 | 2006 | 20000 |

13 |

| 3 | akshay | softwate tester | 452136 | 2008 | 50000 |

12 |

| 4 | ajay | associate traine | 123564 | 2010 | 45000 |

15 |

+--------+-----------+--------------------+-----------+-----------+--------+----

-----+

4 rows in set (0.00 sec)

mysql> select \* from employees order by salary;

+--------+-----------+--------------------+-----------+-----------+--------+----

-----+

| emp\_id | emp\_name | job\_name | manage\_id | hire\_date | salary | dep

t\_id |

+--------+-----------+--------------------+-----------+-----------+--------+----

-----+

| 2 | prashanth | softwareengineer | 456210 | 2006 | 20000 |

13 |

| 1 | aravind | associate engineer | 548932 | 2020 | 30000 |

11 |

| 4 | ajay | associate traine | 123564 | 2010 | 45000 |

15 |

| 3 | akshay | softwate tester | 452136 | 2008 | 50000 |

12 |

+--------+-----------+--------------------+-----------+-----------+--------+----

-----+

4 rows in set (0.03 sec)

mysql> select \* from employees order by name desc;

ERROR 1054 (42S22): Unknown column 'name' in 'order clause'

mysql> select \* from employees order by emp\_name desc;

+--------+-----------+--------------------+-----------+-----------+--------+----

-----+

| emp\_id | emp\_name | job\_name | manage\_id | hire\_date | salary | dep

t\_id |

+--------+-----------+--------------------+-----------+-----------+--------+----

-----+

| 2 | prashanth | softwareengineer | 456210 | 2006 | 20000 |

13 |

| 1 | aravind | associate engineer | 548932 | 2020 | 30000 |

11 |

| 3 | akshay | softwate tester | 452136 | 2008 | 50000 |

12 |

| 4 | ajay | associate traine | 123564 | 2010 | 45000 |

15 |

+--------+-----------+--------------------+-----------+-----------+--------+----

-----+

4 rows in set (0.00 sec)

mysql> select \* from employees order by emp\_name asc;

+--------+-----------+--------------------+-----------+-----------+--------+----

-----+

| emp\_id | emp\_name | job\_name | manage\_id | hire\_date | salary | dep

t\_id |

+--------+-----------+--------------------+-----------+-----------+--------+----

-----+

| 4 | ajay | associate traine | 123564 | 2010 | 45000 |

15 |

| 3 | akshay | softwate tester | 452136 | 2008 | 50000 |

12 |

| 1 | aravind | associate engineer | 548932 | 2020 | 30000 |

11 |

| 2 | prashanth | softwareengineer | 456210 | 2006 | 20000 |

13 |

+--------+-----------+--------------------+-----------+-----------+--------+----

-----+

4 rows in set (0.00 sec)

mysql> select \* from employees order by emp\_name,job\_name;

+--------+-----------+--------------------+-----------+-----------+--------+----

-----+

| emp\_id | emp\_name | job\_name | manage\_id | hire\_date | salary | dep

t\_id |

+--------+-----------+--------------------+-----------+-----------+--------+----

-----+

| 4 | ajay | associate traine | 123564 | 2010 | 45000 |

15 |

| 3 | akshay | softwate tester | 452136 | 2008 | 50000 |

12 |

| 1 | aravind | associate engineer | 548932 | 2020 | 30000 |

11 |

| 2 | prashanth | softwareengineer | 456210 | 2006 | 20000 |

13 |

+--------+-----------+--------------------+-----------+-----------+--------+----

-----+

4 rows in set (0.00 sec)

mysql> select count(emp\_id) from employees;

+---------------+

| count(emp\_id) |

+---------------+

| 4 |

+---------------+

1 row in set (0.01 sec)

mysql> select avg(salary) from employees;

+-------------+

| avg(salary) |

+-------------+

| 36250.0000 |

+-------------+

1 row in set (0.01 sec)

mysql> select sum(salary) from employees;

+-------------+

| sum(salary) |

+-------------+

| 145000 |

mysql> select distinct job\_name from employees;

+--------------------+

| job\_name |

+--------------------+

| associate engineer |

| softwareengineer |

| softwate tester |

| associate traine |

+--------------------+

mysql> select distinct job\_name from employees;

+--------------------+

| job\_name |

+--------------------+

| associate engineer |

| softwareengineer |

| softwate tester |

| associate traine |

+--------------------+

4 rows in set (0.00 sec)

mysql> select count(emp\_id),job\_name from employees group by job\_name;

+---------------+--------------------+

| count(emp\_id) | job\_name |

+---------------+--------------------+

| 1 | associate engineer |

| 2 | associate traine |

| 1 | softwareengineer |

| 1 | softwate tester |

+---------------+--------------------+

4 rows in set (0.00 sec)

mysql> select avg(salary),job\_name from employees group by job\_name;

+-------------+--------------------+

| avg(salary) | job\_name |

+-------------+--------------------+

| 30000.0000 | associate engineer |

| 82500.0000 | associate traine |

| 20000.0000 | softwareengineer |

| 50000.0000 | softwate tester |

+-------------+--------------------+

4 rows in set (0.00 sec)

mysql> select sum(salary),job\_name from employees group by job\_name;

+-------------+--------------------+

| sum(salary) | job\_name |

+-------------+--------------------+

| 30000 | associate engineer |

| 165000 | associate traine |

| 20000 | softwareengineer |

| 50000 | softwate tester |

+-------------+--------------------+

4 rows in set (0.01 sec)

mysql> select min(salary),job\_name from employees group by job\_name;

+-------------+--------------------+

| min(salary) | job\_name |

+-------------+--------------------+

| 30000 | associate engineer |

| 45000 | associate traine |

| 20000 | softwareengineer |

| 50000 | softwate tester |

+-------------+--------------------+

4 rows in set (0.00 sec)

mysql> select max(salary),job\_name from employees group by job\_name;

+-------------+--------------------+

| max(salary) | job\_name |

+-------------+--------------------+

| 30000 | associate engineer |

| 120000 | associate traine |

| 20000 | softwareengineer |

| 50000 | softwate tester |

+-------------+--------------------+

4 rows in set (0.00 sec)

mysql> select max(salary) from employees;

+-------------+

| max(salary) |

+-------------+

| 120000 |

+-------------+

1 row in set (0.00 sec)

mysql> select min(salary) from employees;

+-------------+

| min(salary) |

+-------------+

| 20000 |

+-------------+

1 row in set (0.00 sec)

mysql> select max(salary) as salary from employees where salary< (select max(sal

ary) from employees);

+--------+

| salary |

+--------+

| 50000 |

+--------+

mysql> select \* from employees where salary>(select avg(salary) from employees);

+--------+----------+------------------+-----------+-----------+--------+-------

--+

| emp\_id | emp\_name | job\_name | manage\_id | hire\_date | salary | dept\_i

d |

+--------+----------+------------------+-----------+-----------+--------+-------

--+

| 5 | ajay | associate traine | 85246 | 2008 | 120000 | 1

2 |

+--------+----------+------------------+-----------+-----------+--------+-------

--+

1 row in set (0.00 sec)

mysql> select \* from employees where salary<(select avg(salary) from employees);

+--------+-----------+--------------------+-----------+-----------+--------+----

-----+

| emp\_id | emp\_name | job\_name | manage\_id | hire\_date | salary | dept\_id |

+--------+-----------+--------------------+-----------+-----------+--------+---------+

| 1 | aravind | associate engineer | 548932 | 2020 | 30000 |11 |

| 2 | prashanth | softwareengineer | 456210 | 2006 | 20000 |13 |

| 3 | akshay | softwate tester | 452136 | 2008 | 50000 |12 |

| 4 | ajay | associate traine | 123564 | 2010 | 45000 |15 |

+--------+-----------+--------------------+-----------+-----------+--------+---------+

mysql> select \* from employee;select employees.emp\_id,emp\_name from employees in

ner join department on employees.emp\_id=department.emp\_id;

ERROR 1146 (42S02): Table 'demodb.employee' doesn't exist

+--------+-----------+

| emp\_id | emp\_name |

+--------+-----------+

| 1 | aravind |

| 2 | prashanth |

| 3 | akshay |

+--------+-----------+

3 rows in set (0.01 sec)

mysql> select \* from employee;select employees.emp\_id,emp\_name from employees le

ft join department on employees.emp\_id=department.emp\_id;

ERROR 1146 (42S02): Table 'demodb.employee' doesn't exist

+--------+-----------+

| emp\_id | emp\_name |

+--------+-----------+

| 1 | aravind |

| 2 | prashanth |

| 3 | akshay |

| 4 | ajay |

| 5 | ajay |

+--------+-----------+

5 rows in set (0.00 sec)

mysql> select \* from employee;select employees.emp\_id,emp\_name from employees ri

ght join department on employees.emp\_id=department.emp\_id;

ERROR 1146 (42S02): Table 'demodb.employee' doesn't exist

+--------+-----------+

| emp\_id | emp\_name |

+--------+-----------+

| 1 | aravind |

| 2 | prashanth |

| 3 | akshay |

| NULL | NULL |

+--------+-----------+

mysql> select emp\_name from employees union select dept\_name from department;

+------------+

| emp\_name |

+------------+

| aravind |

| prashanth |

| akshay |

| ajay |

| associates |

| testing |

| trainee |

| technology |

+------------+

8 rows in set (0.00 sec)

mysql> select emp\_name from employees union all select dept\_name from department

;

+------------+

| emp\_name |

+------------+

| aravind |

| prashanth |

| akshay |

| ajay |

| ajay |

| associates |

| testing |

| trainee |

| technology |