mysql> select \* from emp\_det;

Empty set (0.00 sec)

mysql> desc emp\_det;

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

| Field | Type | Null | Key | Default | Extra |

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

| emp\_id | int | YES | | NULL | |

| emp\_name | char(25) | YES | | NULL | |

| dept\_no | varchar(25) | YES | | NULL | |

| designation | char(25) | YES | | NULL | |

| hire\_date | date | YES | | NULL | |

| basic\_pay | double(10,2) | YES | | NULL | |

| pf | int | YES | | NULL | |

| da | int | YES | | NULL | |

| hra | int | YES | | NULL | |

| totalsalary | double(10,2) | YES | | NULL | |

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

10 rows in set (0.00 sec)

mysql> insert into emp\_det values (101,'raj','10a','clerk','2018-08-12',10000,300,300,400,11000);

Query OK, 1 row affected (0.04 sec)

mysql> insert into emp\_det values (102,'kaja','11a','maintance','2016-09-02',14000,300,300,400,15000), (103,'kuja','14a','store','2019-09-03',16000,300,300,400,17000), (104,'girija','15a','accoutant','2015-12-10',24000,300,300,400,25000), (105,'sree','19a','quality','2019-10-11',14000,300,300,400,15000), (106,'mani','1a','prodution','2015-09-02',34000,300,300,400,35000);

Query OK, 5 rows affected (0.04 sec)

Records: 5 Duplicates: 0 Warnings: 0

mysql> select \* from emp\_det;

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

| emp\_id | emp\_name | dept\_no | designation | hire\_date | basic\_pay | pf | da | hra | totalsalary |

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

| 101 | raj | 10a | clerk | 2018-08-12 | 10000.00 | 300 | 300 | 400 | 11000.00 |

| 102 | kaja | 11a | maintance | 2016-09-02 | 14000.00 | 300 | 300 | 400 | 15000.00 |

| 103 | kuja | 14a | store | 2019-09-03 | 16000.00 | 300 | 300 | 400 | 17000.00 |

| 104 | girija | 15a | accoutant | 2015-12-10 | 24000.00 | 300 | 300 | 400 | 25000.00 |

| 105 | sree | 19a | quality | 2019-10-11 | 14000.00 | 300 | 300 | 400 | 15000.00 |

| 106 | mani | 1a | prodution | 2015-09-02 | 34000.00 | 300 | 300 | 400 | 35000.00 |

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

6 rows in set (0.00 sec)

mysql> select count(emp\_name) from emp\_det;

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

| count(emp\_name) |

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

| 6 |

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

1 row in set (0.04 sec)

mysql> select sum(da),sum(totalsalary) from emp\_det;

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

| sum(da) | sum(totalsalary) |

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

| 1800 | 118000.00 |

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

1 row in set (0.00 sec)

mysql> select max(basic\_pay) from emp\_det;

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

| max(basic\_pay) |

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

| 34000.00 |

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

1 row in set (0.00 sec)

mysql> select count(emp\_name),count(dept\_no) from emp\_det where deptno='14a';

ERROR 1054 (42S22): Unknown column 'deptno' in 'where clause'

mysql> select count(emp\_name),count(dept\_no) from emp\_det where dept\_no='14a';

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

| count(emp\_name) | count(dept\_no) |

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

| 1 | 1 |

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

1 row in set (0.00 sec)

mysql> select designation,count(designation) from emp\_det group by designation;

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

| designation | count(designation) |

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

| clerk | 1 |

| maintance | 1 |

| store | 1 |

| accoutant | 1 |

| quality | 1 |

| prodution | 1 |

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

6 rows in set (0.00 sec)

mysql> select dept\_no,totalsalary,count(dept\_no) from emp\_det group by dept\_no;

ERROR 1055 (42000): Expression #2 of SELECT list is not in GROUP BY clause and contains nonaggregated column 'kira.emp\_det.totalsalary' which is not functionally dependent on columns in GROUP BY clause; this is incompatible with sql\_mode=only\_full\_group\_by

mysql> select dept\_no,total\_salary,count(dept\_no) from emp\_det group by dept\_no;

ERROR 1054 (42S22): Unknown column 'total\_salary' in 'field list'

mysql> select dept\_no,total\_salary,count(dept\_no) from emp\_det select dept\_no,total\_salary,count(dept\_no) from emp\_det group by dept\_no; select dept\_no,totalsalary,count(dept\_no) from emp\_det group by dept\_no;

ERROR 1055 (42000): Expression #2 of SELECT list is not in GROUP BY clause and contains nonaggregated column 'kira.emp\_det.totalsalary' which is not functionally dependent on columns in GROUP BY clause; this is incompatible with sql\_mode=only\_full\_group\_by

mysql> select dept\_no,totalsalary,count(dept\_no) from emp\_det group by dept\_no,totalsalary;

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

| dept\_no | totalsalary | count(dept\_no) |

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

| 10a | 11000.00 | 1 |

| 11a | 15000.00 | 1 |

| 14a | 17000.00 | 1 |

| 15a | 25000.00 | 1 |

| 19a | 15000.00 | 1 |

| 1a | 35000.00 | 1 |

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

6 rows in set (0.00 sec)

mysql> select designation,totalsalary from emp\_det group by designation;

ERROR 1055 (42000): Expression #2 of SELECT list is not in GROUP BY clause and contains nonaggregated column 'kira.emp\_det.totalsalary' which is not functionally dependent on columns in GROUP BY clause; this is incompatible with sql\_mode=only\_full\_group\_by

mysql> select designation,totalsalary from emp\_det group by designation,totalsalary;

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

| designation | totalsalary |

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

| clerk | 11000.00 |

| maintance | 15000.00 |

| store | 17000.00 |

| accoutant | 25000.00 |

| quality | 15000.00 |

| prodution | 35000.00 |

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

6 rows in set (0.00 sec)

mysql> select designation,min(basic\_pay) from emp\_det group by designation;

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

| designation | min(basic\_pay) |

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

| clerk | 10000.00 |

| maintance | 14000.00 |

| store | 16000.00 |

| accoutant | 24000.00 |

| quality | 14000.00 |

| prodution | 34000.00 |

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

6 rows in set (0.00 sec)

mysql> select designation,count(designation),min(basic\_pay) from emp\_det group by designation;

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

| designation | count(designation) | min(basic\_pay) |

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

| clerk | 1 | 10000.00 |

| maintance | 1 | 14000.00 |

| store | 1 | 16000.00 |

| accoutant | 1 | 24000.00 |

| quality | 1 | 14000.00 |

| prodution | 1 | 34000.00 |

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

6 rows in set (0.00 sec)

mysql> select dept\_no,(count(dept\_no)>=2) from emp\_det;

ERROR 1140 (42000): In aggregated query without GROUP BY, expression #1 of SELECT list contains nonaggregated column 'kira.emp\_det.dept\_no'; this is incompatible with sql\_mode=only\_full\_group\_by

mysql> select dept\_no,(count(dept\_no)>=2) from emp\_det group by dept\_no;

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

| dept\_no | (count(dept\_no)>=2) |

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

| 10a | 0 |

| 11a | 0 |

| 14a | 0 |

| 15a | 0 |

| 19a | 0 |

| 1a | 0 |

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

6 rows in set (0.00 sec)

mysql> select dept\_no,(count(dept\_no)=2) from emp\_det group by dept\_no;

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

| dept\_no | (count(dept\_no)=2) |

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

| 10a | 0 |

| 11a | 0 |

| 14a | 0 |

| 15a | 0 |

| 19a | 0 |

| 1a | 0 |

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

6 rows in set (0.00 sec)

mysql> select dept\_no,(count(dept\_no)<1) from emp\_det group by dept\_no;

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

| dept\_no | (count(dept\_no)<1) |

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

| 10a | 0 |

| 11a | 0 |

| 14a | 0 |

| 15a | 0 |

| 19a | 0 |

| 1a | 0 |

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

6 rows in set (0.00 sec)

mysql> select dept\_no,(count(dept\_no)<=1) from emp\_det group by dept\_no;

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

| dept\_no | (count(dept\_no)<=1) |

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

| 10a | 1 |

| 11a | 1 |

| 14a | 1 |

| 15a | 1 |

| 19a | 1 |

| 1a | 1 |

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

6 rows in set (0.00 sec)

mysql> select dept\_no,count((dept\_no)>1) from emp\_det;

ERROR 1140 (42000): In aggregated query without GROUP BY, expression #1 of SELECT list contains nonaggregated column 'kira.emp\_det.dept\_no'; this is incompatible with sql\_mode=only\_full\_group\_by

mysql> select dept\_no,count((dept\_no)>1) from emp\_det group by dept\_no;

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

| dept\_no | count((dept\_no)>1) |

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

| 10a | 1 |

| 11a | 1 |

| 14a | 1 |

| 15a | 1 |

| 19a | 1 |

| 1a | 1 |

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

6 rows in set (0.00 sec)

mysql> select dept\_no,designation,count(emp\_name),count((dept\_no)>1) from emp\_det group by dept\_no,designation;

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

| dept\_no | designation | count(emp\_name) | count((dept\_no)>1) |

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

| 10a | clerk | 1 |

1 |

| 11a | maintance | 1 |

1 |

| 14a | store | 1 |

1 |

| 15a | accoutant | 1 |

1 |

| 19a | quality | 1 |

1 |

| 1a | prodution | 1 |

1 |

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

6 rows in set (0.00 sec)

mysql>