```
mysql> CREATE TABLE department(did INT PRIMARY KEY, name VARCHAR(20), Loacation VARCHAR(20));
Query OK, 0 rows affected (0.397 sec)
mysql> INSERT INTO department VALUES(1, 'engineering', 'new york'),(2, 'marketing', 'pune'),(3, 'HR', 'mumbai');
Query OK, 3 rows affected (0.142 sec)
Records: 3 Duplicates: 0 Warnings: 0
mysql> SELECT * FROM department;
 did | name
                      loacation
       engineering
                      new york
       marketing
   2
                      pune
   3
       HR
                     mumbai
3 rows in set (0.012 sec)
```

```
mysql> CREATE TABLE employees(eid INT PRIMARY KEY, name VARCHAR(10), did INT, salary INT, FOREIGN KEY (did) REFERENCES department(did
)):
Query OK, 0 rows affected (0.749 sec)
mysql> SELECT * FROM employees;
Empty set (0.027 sec)
mysql> INSERT INTO employees VALUES(101, 'jony', 1, 70000), (102, 'alice', 2, 48000), (103, 'charle), (), ();
    '> INSERT INTO employees VALUES(101, 'jony',1,70000),(102, 'alice',2,48000),(103, 'charlie',1,50000),(104,3,'bob',30000),(105, 'rony'
,2,55000);
    '> ':
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the righ
t syntax to use near 'jony',1,70000),(102,'alice',2,48000),(103,'charlie',1,50000),(104,3,'bob',30000)' at line 2
mysql> INSERT INTO employees VALUES(101,'jony',1,70000),(102,'alice',2,48000),(103,'charlie',1,50000),(104,3,'bob',30000),(105,'rony'
,2,55000);
ERROR 1366 (HY000): Incorrect integer value: 'bob' for column 'did' at row 4
mysql> INSERT INTO employees VALUES(101, 'jony', 1, 70000), (102, 'alice', 2, 48000), (103, 'charlie', 1, 50000), (104, 'bob', 3, 30000), (105, 'rony'
,2,55000);
Query OK, 5 rows affected (0.145 sec)
Records: 5 Duplicates: 0 Warnings: 0
mysql> SELECT * FROM employees;
 eid
                         salary
        name
                  did
                      1
  101
        jony
                           70000
```

5 rows in set (0.013 sec)

alice

bob

rony

charlie

2

1

3

2

48000

50000

30000

55000

102

103

104

105

```
mysql> SELECT name, salary FROM employees WHERE salary>(SELECT AVG(salary) FROM employees);
 name | salary
          70000
  jony
          55000
 rony
2 rows in set (0.104 sec)
mysql> SELECT name FROM employees e1 WHERE salary>(SELECT AVG(salary) FROM employees e2 WHERE e1.did=e2.did);
 name
 jony
 rony
2 rows in set (0.013 sec)
mysql> SELECT name FROM employees WHERE did IN (SELECT did FROM department WHERE location='new york';
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the righ
t syntax to use near '' at line 1
mysgl> SELECT name FROM employees WHERE did IN (SELECT did FROM department WHERE location='new york');
ERROR 1054 (42S22): Unknown column 'location' in 'where clause'
mysgl> SELECT name FROM employees WHERE did IN (SELECT did FROM department WHERE loacation='new york');
 name
  jony
 charlie
2 rows in set (0.014 sec)
```