

```
mysql> INSERT INTO department VALUES(1, 'HR'),(2, 'Marketing'),(3, 'Sales');
Query OK, 3 rows affected (0.317 sec)
Records: 3  Duplicates: 0  Warnings: 0
```

```
mysql> SELECT * FROM department;
```

deptid		name
1		HR
2		Marketing
3		Sales

```
3 rows in set (0.012 sec)
```

```
mysql> CREATE TABLE employee(eid INT PRIMARY KEY, ename VARCHAR(20),deptid INT, salary DECIMAL(10,2), email VARCHAR(40), FOREIGN KEY(deptid) REFERENCES department(deptid));
Query OK, 0 rows affected (0.745 sec)
```

```
mysql> INSERT INTO employee VALUES(101,'radha',1,60000.00,'radha12@gmail.com'),(101,'priya',2,65000.00,'priya67@gmail.com'),(103,'riya',3,50000.00,'riya45@gmail.com'),(104,'diya',2,70000.00,'diya65@gmail.com'),(105,'jiya',1,70000.00,'jiya56@gmail.com');
> ;
```

```
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near ';' at line 2
```

```
mysql> INSERT INTO employee VALUES(101,'radha',1,60000.00,'radha12@gmail.com'),(101,'priya',2,65000.00,'priya67@gmail.com'),(103,'riya',3,50000.00,'riya45@gmail.com'),(104,'diya',2,70000.00,'diya65@gmail.com'),(105,'jiya',1,70000.00,'jiya56@gmail.com');
```

```
ERROR 1062 (23000): Duplicate entry '101' for key 'employee.PRIMARY'
```

```
mysql> INSERT INTO employee VALUES(101,'radha',1,60000.00,'radha12@gmail.com'),(102,'priya',2,65000.00,'priya67@gmail.com'),(103,'riya',3,50000.00,'riya45@gmail.com'),(104,'diya',2,70000.00,'diya65@gmail.com'),(105,'jiya',1,70000.00,'jiya56@gmail.com');
```

```
Query OK, 5 rows affected (0.143 sec)
```

```
Records: 5 Duplicates: 0 Warnings: 0
```

```
mysql> SELECT * FROM employee;
```

eid	ename	deptid	salary	email
101	radha	1	60000.00	radha12@gmail.com
102	priya	2	65000.00	priya67@gmail.com
103	riya	3	50000.00	riya45@gmail.com
104	diya	2	70000.00	diya65@gmail.com
105	jiya	1	70000.00	jiya56@gmail.com

```
5 rows in set (0.011 sec)
```

```
mysql> CREATE VIEW dept_salary AS SELECT d.name, COUNT(e.eid) AS total_employee, AVG (e.salary) AS avg_salary FROM department d JOIN
employee e ON d.deptid = e.deptid GROUP BY d.name HAVING AVG(e.salary)>50000;
Query OK, 0 rows affected (0.221 sec)
```

```
mysql> SELECT * FROM dept_salary;
```

name	total_employee	avg_salary
HR	2	65000.000000
Marketing	2	67500.000000

```
2 rows in set (0.052 sec)
```

```
mysql> CREATE VIEW public_emp AS SELECT ename,name FROM employee e JOIN department d of e.deptid = d.deptid;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right
syntax to use near 'employee e JOIN department d of e.deptid = d.deptid' at line 1
```

```
mysql> CREATE VIEW public_emp AS SELECT ename,name FROM employee e JOIN department d of e.deptid = d.deptid;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right
syntax to use near 'of e.deptid = d.deptid' at line 1
```

```
mysql> CREATE VIEW public_emp AS SELECT ename,name FROM employee e JOIN department d ON e.deptid = d.deptid;
Query OK, 0 rows affected (0.173 sec)
```

```
mysql> SELECT * FROM public_emp;
```

ename	name
radha	HR
jiya	HR
priya	Marketing
diya	Marketing
riya	Sales