

```
MariaDB [project]> CREATE TABLE Department (id INT PRIMARY KEY,dept_id
int ,name varchar(50));
Query OK, 0 rows affected (0.233 sec)
```

```
MariaDB [project]> insert into department(id,dept_id,name) values
(1,1,'it'),(2,2,'sales');
Query OK, 2 rows affected (0.038 sec)
Records: 2  Duplicates: 0  Warnings: 0
```

```
MariaDB [project]> CREATE TABLE Employee (id INT PRIMARY KEY,name
VARCHAR(50),salary INT,dept_id INT,FOREIGN KEY (dept_id) REFERENCES
Department(id));
Query OK, 0 rows affected (0.187 sec)
```

```
MariaDB [project]> insert into employee (id, name, salary, dept_id)
values(1,'Joe', 70000,
1),(2,'jim',90000,1),(3,'henry',80000,2),(4,'sam',60000,2),(5,'max',90000
,1);
Query OK, 5 rows affected (0.061 sec)
Records: 5  Duplicates: 0  Warnings: 0
```

```
MariaDB [project]> select e.Name, d.Name as department, e.Salary from
employee e inner join department d on e.dept_id= d.ID where e.Salary =
(SELECT MAX(Salary) from employee where dept_id = e.dept_id) order by
e.Dept_id;
```

```
+-----+-----+-----+
| Name  | department | Salary |
+-----+-----+-----+
| max   | it         | 90000  |
| jim   | it         | 90000  |
| henry | sales      | 80000  |
+-----+-----+-----+
3 rows in set (0.001 sec)
```

Command Prompt - mysql -h localhost -u root

```
MariaDB [project]> CREATE TABLE Department (dept_id INT PRIMARY KEY,name varchar(50));
Query OK, 0 rows affected (0.175 sec)
```

```
MariaDB [project]> insert into department(dept_id,name) values (1,'it'),(2,'sales');
Query OK, 2 rows affected (0.034 sec)
Records: 2 Duplicates: 0 Warnings: 0
```

```
MariaDB [project]> CREATE TABLE Employee (id INT PRIMARY KEY,name VARCHAR(50),salary INT,dept_id INT,FOREIGN KEY (dept_id) REFERENCES Department(id));
```

```
ERROR 1005 (HY000): Can't create table 'project`.`employee` (errno: 150 "Foreign key constraint is incorrectly formed")
```

```
MariaDB [project]> drop table department
```

```
-> ;
Query OK, 0 rows affected (0.174 sec)
```

```
MariaDB [project]> CREATE TABLE Department (id INT PRIMARY KEY,dept_id int ,name varchar(50));
Query OK, 0 rows affected (0.233 sec)
```

```
MariaDB [project]> insert into department(id,dept_id,name) values (1,1,'it'),(2,2,'sales');
Query OK, 2 rows affected (0.038 sec)
Records: 2 Duplicates: 0 Warnings: 0
```

```
MariaDB [project]> CREATE TABLE Employee (id INT PRIMARY KEY,name VARCHAR(50),salary INT,dept_id INT,FOREIGN KEY (dept_id) REFERENCES Department(id));
```

```
Query OK, 0 rows affected (0.187 sec)
```

```
MariaDB [project]> insert into employee (id, name, salary, dept_id) values(1,'Joe', 70000, 1),(2,'jim',90000,1),(3,'henry',80000,2),(4,'sam',60000,2),(5,'max',90000,1);
```

```
Query OK, 5 rows affected (0.061 sec)
Records: 5 Duplicates: 0 Warnings: 0
```

```
MariaDB [project]> select e.Name, d.Name as department, e.Salary from employee e inner join department d on e.dept_id = d.ID where e.Salary = (SELECT MAX(Salary) from employee where dept_id = e.dept_id) order by e.Dept_id;
```

```
+-----+-----+
| Name | department | Salary |
+-----+-----+
| max  | it         | 90000  |
| jim  | it         | 90000  |
| henry| sales      | 80000  |
+-----+-----+
```

```
3 rows in set (0.001 sec)
```

```
MariaDB [project]> _
```