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CREATE TABLE DEPARTMENT ( ID INT PRIMARY KEY , D_ID INT , D_NAME VARCHAR(10));

INSERT INTO DEPARTMENT (ID,D_ID,D_NAME) VALUES (1,1,'IT'),(2,2,'SALES');

CREATE TABLE EMP ( ID INT PRIMARY KEY ,E_NAME VARCHAR (50) , SALARY INT ,D_ID INT ,
FOREIGN KEY (D_ID) REFERENCES
DEPARTMENT (ID));

INSERT INTO EMP ( ID,E_NAME,SALARY,D_ID)VALUES
(1,'JOE',70000,1),(2,'JIM',90000,1),(3,'HENRY',80000,2),(4,'SAM',60000,2),
(5,'MAX',90000,1);

SELECT E.E_NAME,D.D_NAME AS DEPARTMENT, E.SALARY FROM EMP E INNER JOIN
DEPARTMENT D ON E.D_ID=D.ID WHERE E.SALARY=(SELECT MAX(SALARY) from EMP
where d_id= e.d_id)order by e.d_id;

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Database changed
MariaDB [newtest]> CREATE TABLE DEPARTMENT ( ID INT PRIMARY KEY , D_ID INT , D_NAME VARCHAR(10));
Query OK, 0 rows affected (0.020 sec)

MariaDB [newtest]>
MariaDB [newtest]> INSERT INTO DEPARTMENT (ID,D_ID,D_NAME) VALUES (1,1,'IT'),(2,2,'SALES');
Query OK, 2 rows affected (0.004 sec)
Records: 2 Duplicates: 0 Warnings: 0

MariaDB [newtest]> select * from DEPARTMENT;
+----+-----+-----+
| ID | D_ID | D_NAME |
+----+-----+-----+
| 1  | 1    | IT     |
| 2  | 2    | SALES  |
+----+-----+-----+
2 rows in set (0.001 sec)

MariaDB [newtest]> CREATE TABLE EMP ( ID INT PRIMARY KEY ,E_NAME VARCHAR (50) , SALARY INT ,D_ID INT ,
-> FOREIGN KEY (D_ID) REFERENCES
-> DEPARTMENT (ID));
Query OK, 0 rows affected (0.035 sec)

MariaDB [newtest]>
MariaDB [newtest]> INSERT INTO EMP ( ID,E_NAME,SALARY,D_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 (0.014 sec)
Records: 5 Duplicates: 0 Warnings: 0

MariaDB [newtest]> select * from EMP;
+----+-----+-----+-----+
| ID | E_NAME | SALARY | D_ID |
+----+-----+-----+-----+
| 1  | JOE    | 70000  | 1    |
| 2  | JIM    | 90000  | 1    |
| 3  | HENRY  | 80000  | 2    |
| 4  | SAM    | 60000  | 2    |
| 5  | MAX    | 90000  | 1    |
+----+-----+-----+-----+

```

```
mariaDB [newtest]> select * from EMP;
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ID	E_NAME	SALARY	D_ID
1	JOE	70000	1
2	JIM	90000	1
3	HENRY	80000	2
4	SAM	60000	2
5	MAX	90000	1

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

```
mariaDB [newtest]> SELECT E.E_NAME,D.D_NAME AS DEPARTMENT, E.SALARY FROM EMP E INNER JOIN  
-> DEPARTMENT D ON E.D_ID=D.ID WHERE E.SALARY=(SELECT MAX(SALARY) from EMP  
-> where d_id= e.d_id)order by e.d_id;
```

E_NAME	DEPARTMENT	SALARY
JIM	IT	90000
MAX	IT	90000
HENRY	SALES	80000

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