

Title: How to develop Left Join Exclusion features(way: 02)?

#01

```
MariaDB [dbspr]> select * from stdtbl
  -> left join usttbl
  -> on stdtbl.pid=usttbl.pid
  -> where prole is null;
+-----+-----+-----+-----+
| pid | pname | edu | pid | prole |
+-----+-----+-----+-----+
| 1002 | x2   | PG  | NULL | NULL  |
| 1003 | x3   | -   | NULL | NULL  |
| 1005 | x5   | PG  | NULL | NULL  |
| 1006 | x6   | -   | NULL | NULL  |
| 1008 | x8   | PG  | NULL | NULL  |
| 1009 | x9   | -   | NULL | NULL  |
+-----+-----+-----+-----+
6 rows in set (0.001 sec)
```

#02

```
MariaDB [dbspr]> select * from stdtbl
  -> left join pssttbl
  -> on stdtbl.pid=pssttbl.pid
  -> where prole is null;
+-----+-----+-----+-----+
| pid | pname | edu | pid | prole |
+-----+-----+-----+-----+
| 1003 | x3   | -   | NULL | NULL  |
| 1004 | x4   | UG  | NULL | NULL  |
| 1006 | x6   | -   | NULL | NULL  |
| 1007 | x7   | UG  | NULL | NULL  |
| 1009 | x9   | -   | NULL | NULL  |
+-----+-----+-----+-----+
5 rows in set (0.001 sec)
```

#03

```
MariaDB [dbspr]> select * from stdtbl
  -> left join usttbl
  -> on stdtbl.pid=usttbl.pid
  -> left join pssttbl
  -> on stdtbl.pid=pssttbl.pid
  -> where usttbl.prole is null and pssttbl.prole is null;
+-----+-----+-----+-----+-----+
| pid | pname | edu | pid | prole | pid | prole |
+-----+-----+-----+-----+-----+
| 1003 | x3   | -   | NULL | NULL  | NULL | NULL  |
| 1006 | x6   | -   | NULL | NULL  | NULL | NULL  |
| 1009 | x9   | -   | NULL | NULL  | NULL | NULL  |
+-----+-----+-----+-----+
3 rows in set (0.013 sec)
```

#04

```
MariaDB [dbspr]> select stdtbl.pid, pname, edu from stdtbl
  -> left join usttbl
  -> on stdtbl.pid=usttbl.pid
  -> left join pssttbl
  -> on stdtbl.pid=pssttbl.pid
  -> where usttbl.prole is null and pssttbl.prole is null;
+-----+
| pid | pname | edu |
+-----+
| 1003 | x3   | -  |
| 1006 | x6   | -  |
| 1009 | x9   | -  |
+-----+
3 rows in set (0.001 sec)
```