

# ASJID TAHIR

## 19p-0085

## DATABASE LAB

### Stored Procedures and Triggers:

```
XAMPP for Windows - mysql -u root
Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> show databases;
+-----+
| Database |
+-----+
| 19p0085_asjdtahir |
| asjdtahir |
| company |
| fb |
| form_registration |
| information_schema |
| mysql |
| organization |
| performance_schema |
| phpmyadmin |
| sales_co |
| test |
+-----+
12 rows in set (0.001 sec)

MariaDB [(none)]> use fb;
Database changed
MariaDB [fb]>
```

```

Database changed
MariaDB [fb]> use sale_co;
ERROR 1049 (42000): Unknown database 'sale_co'
MariaDB [fb]> use sales_co;
Database changed
MariaDB [sales_co]>
MariaDB [sales_co]>
MariaDB [sales_co]>
MariaDB [sales_co]> select * from product;

```

P_CODE	P_DESCRIPT	P_INDATE	P_ONHAND	P_MIN	P_PRICE	P_DISCOUNT	V_CODE
11QER/31	Power painter, 15 psi., 3-nozzle	2003-11-03	8	5	109.99	0	25595
13-Q2/P2	7.25-in. pwr. saw blade	2003-12-13	32	15	14.99	0.05	21344
14-Q1/L3	9.00-in. pwr. saw blade	2003-11-13	18	12	17.49	0	21344
1546-QQ2	Hrd. cloth, 1/4-in., 2x50	2004-01-04	15	8	39.95	0	23119
1558-QW1	Hrd. cloth, 1/2-in., 3x50	2004-01-15	23	5	43.99	0	23119
2232/QTY	B&D jigsaw, 12-in. blade	2003-12-10	8	5	109.92	0.05	24288
2232/QWE	B&D jigsaw, 8-in. blade	2003-12-24	6	5	99.87	0.05	24288
2238/QPD	B&D cordless drill, 1/2-in.	2004-01-20	12	5	38.95	0.05	25595
23109-HB	Claw hammer	2004-01-20	23	10	9.95	0.1	21225
23114-AA	Sledge hammer, 12 lb.	2004-01-20	8	5	14.4	0.05	NULL
54778-2T	Rat-tail file, 1/8-in. fine	2003-12-15	43	20	4.99	0	21344
89-WRE-Q	Hicut chain saw, 16 in.	2004-02-17	11	5	256.99	0.05	24288
PVC23DRT	PVC pipe, 3.5-in., 8-ft	2004-02-20	188	75	5.87	0	NULL
SM-18277	1.25-in. metal screw, 25	2004-03-01	172	75	6.99	0	21225
SW-23116	2.5-in. wd. screw, 50	2004-02-24	237	100	8.45	0	21231
WR3/TT3	Steel matting, 4'x8'x1/6", .5" mesh	2004-01-07	18	5	119.95	0.1	25595

```

6 rows in set (0.001 sec)

```

```

MariaDB [sales_co]> select * from product
->
->
->
->
->
-> ;

```

P_CODE	P_DESCRIPT	P_INDATE	P_ONHAND	P_MIN	P_PRICE	P_DISCOUNT	V_CODE
11QER/31	Power painter, 15 psi., 3-nozzle	2003-11-03	8	5	109.99	0	25595
13-Q2/P2	7.25-in. pwr. saw blade	2003-12-13	32	15	14.99	0.05	21344
14-Q1/L3	9.00-in. pwr. saw blade	2003-11-13	18	12	17.49	0	21344
1546-QQ2	Hrd. cloth, 1/4-in., 2x50	2004-01-04	15	8	39.95	0	23119
1558-QW1	Hrd. cloth, 1/2-in., 3x50	2004-01-15	23	5	43.99	0	23119
2232/QTY	B&D jigsaw, 12-in. blade	2003-12-10	8	5	109.92	0.05	24288
2232/QWE	B&D jigsaw, 8-in. blade	2003-12-24	6	5	99.87	0.05	24288
2238/QPD	B&D cordless drill, 1/2-in.	2004-01-20	12	5	38.95	0.05	25595
23109-HB	Claw hammer	2004-01-20	23	10	9.95	0.1	21225
23114-AA	Sledge hammer, 12 lb.	2004-01-20	8	5	14.4	0.05	NULL
54778-2T	Rat-tail file, 1/8-in. fine	2003-12-15	43	20	4.99	0	21344
89-WRE-Q	Hicut chain saw, 16 in.	2004-02-17	11	5	256.99	0.05	24288
PVC23DRT	PVC pipe, 3.5-in., 8-ft	2004-02-20	188	75	5.87	0	NULL
SM-18277	1.25-in. metal screw, 25	2004-03-01	172	75	6.99	0	21225
SW-23116	2.5-in. wd. screw, 50	2004-02-24	237	100	8.45	0	21231
WR3/TT3	Steel matting, 4'x8'x1/6", .5" mesh	2004-01-07	18	5	119.95	0.1	25595

DELIMETER:

```

MariaDB [sales_co]> delimiter $$
MariaDB [sales_co]> select * from product
->
-> ;
->
->
-> ;
->
->
->
->
->
-> $$
+-----+-----+-----+-----+-----+-----+-----+-----+
| P_CODE | P_DESCRIPT | P_INDATE | P_ONHAND | P_MIN | P_PRICE | P_DISCOUNT | V_CODE |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 11QER/31 | Power painter, 15 psi., 3-nozzle | 2003-11-03 | 8 | 5 | 109.99 | 0 | 25595 |
| 13-Q2/P2 | 7.25-in. pwr. saw blade | 2003-12-13 | 32 | 15 | 14.99 | 0.05 | 21344 |
| 14-Q1/L3 | 9.00-in. pwr. saw blade | 2003-11-13 | 18 | 12 | 17.49 | 0 | 21344 |
| 1546-QQ2 | Hrd. cloth, 1/4-in., 2x50 | 2004-01-04 | 15 | 8 | 39.95 | 0 | 23119 |
| 1558-QW1 | Hrd. cloth, 1/2-in., 3x50 | 2004-01-15 | 23 | 5 | 43.99 | 0 | 23119 |
| 2232/QTY | B&D jigsaw, 12-in. blade | 2003-12-10 | 8 | 5 | 109.92 | 0.05 | 24288 |
| 2232/QWE | B&D jigsaw, 8-in. blade | 2003-12-24 | 6 | 5 | 99.87 | 0.05 | 24288 |
| 2238/QPD | B&D cordless drill, 1/2-in. | 2004-01-20 | 12 | 5 | 38.95 | 0.05 | 25595 |
| 23109-HB | Claw hammer | 2004-01-20 | 23 | 10 | 9.95 | 0.1 | 21225 |
| 23114-AA | Sledge hammer, 12 lb. | 2004-01-20 | 8 | 5 | 14.4 | 0.05 | NULL |
| 54778-2T | Rat-tail file, 1/8-in. fine | 2003-12-15 | 43 | 20 | 4.99 | 0 | 21344 |
| 89-WRE-Q | Hicut chain saw, 16 in. | 2004-02-17 | 11 | 5 | 256.99 | 0.05 | 24288 |
| PVC23DRT | PVC pipe, 3.5-in., 8-ft | 2004-02-20 | 188 | 75 | 5.87 | 0 | NULL |
| SM-18277 | 1.25-in. metal screw, 25 | 2004-03-01 | 172 | 75 | 6.99 | 0 | 21225 |
| SW-23116 | 2.5-in. wd. screw, 50 | 2004-02-24 | 237 | 100 | 8.45 | 0 | 21231 |
| WR3/TT3 | Steel matting, 4'x8'x1/6", .5" mesh | 2004-01-07 | 18 | 5 | 119.95 | 0.1 | 25595 |
+-----+-----+-----+-----+-----+-----+-----+-----+
16 rows in set (0.000 sec)

```

```

MariaDB [sales_co]> call prg_avg_price(@out);
-> SELECT @out;
-> $$
Query OK, 1 row affected, 1 warning (0.001 sec)

+-----+
| @out |
+-----+
| 56 |
+-----+
1 row in set (0.002 sec)

MariaDB [sales_co]>

```

```

MariaDB [sales_co]> DELIMITER $$
MariaDB [sales_co]> CREATE PROCEDURE my_procedure_Local_Variables()
  -> BEGIN /* declare local variables */
  -> DECLARE a INT DEFAULT 10;
  -> DECLARE b, c INT; /* using the local variables */
  -> SET a = a + 100;
  -> SET b = 2;
  -> SET c = a + b;
  -> BEGIN /* local variable in nested block */
  -> DECLARE c INT;
  -> SET c = 5;
  -> /* local variable c takes precedence over the one of the
/* same name declared in the enclosing block. */
  -> SELECT a, b, c;
  -> END;
  -> SELECT a, b, c;
  -> END$$
Query OK, 0 rows affected (0.008 sec)

```

```

MariaDB [sales_co]> DELIMITER ;
MariaDB [sales_co]> CALL my_procedure_Local_Variables();
+-----+-----+-----+
| a     | b     | c     |
+-----+-----+-----+
| 110   | 2     | 5     |
+-----+-----+-----+
1 row in set (0.001 sec)

```

```

+-----+-----+-----+
| a     | b     | c     |
+-----+-----+-----+
| 110   | 2     | 112   |
+-----+-----+-----+
1 row in set (0.009 sec)

```

```

Query OK, 0 rows affected (0.017 sec)

MariaDB [sales_co]>

```

```

MariaDB [sales_co]> DELIMITER $$
MariaDB [sales_co]> CREATE PROCEDURE my_proc_IN (IN var1 INT)
  -> BEGIN
  -> SELECT * FROM PRODUCT where P_ONHAND = var1;
  -> END$$
Query OK, 0 rows affected (0.007 sec)

```

```

MariaDB [sales_co]> DELIMITER ;
MariaDB [sales_co]> call my_proc_IN(8);

```

```

+-----+-----+-----+-----+-----+-----+-----+
| P_CODE | P_DESCRIPT | P_INDATE | P_ONHAND | P_MIN | P_PRICE | P_DISCOUNT | V_CODE |
+-----+-----+-----+-----+-----+-----+-----+
| 11QER/31 | Power painter, 15 psi., 3-nozzle | 2003-11-03 | 8 | 5 | 109.99 | 0 | 25595 |
| 2232/QTY | B&D jigsaw, 12-in. blade | 2003-12-10 | 8 | 5 | 109.92 | 0.05 | 24288 |
| 23114-AA | Sledge hammer, 12 lb. | 2004-01-20 | 8 | 5 | 14.4 | 0.05 | NULL |
+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.001 sec)

```

