Task P8.1.2

```
Query OK, 0 rows affected (0.000 sec)

MariaDB [test]> INSERT into Purchase (custName, shipDate, orderedDate) VALUES ('Sarah Smith', '2016-05-12', '2016-05-10');
Query OK, 1 row affected (0.003 sec)

MariaDB [test]> SELECT * FROM Purchase;
+------------+-------------+-------------+------------+
| purchaseID | custName    | orderedDate | shipDate   |
+------------+-------------+-------------+------------+
|          1 | Sarah Smith | 2016-05-10  | 2016-05-12 |
+------------+-------------+-------------+------------+
1 row in set (0.000 sec)

MariaDB [test]> ROLLBACK;
Query OK, 0 rows affected (0.029 sec)

MariaDB [test]> INSERT into Purchase (custName, shipDate, orderedDate) VALUES ('Sarah Smith', '2016-05-12', '2016-05-10');
Query OK, 1 row affected (0.000 sec)

MariaDB [test]> SELECT * FROM Purchase;
+------------+-------------+-------------+------------+
| purchaseID | custName    | orderedDate | shipDate   |
+------------+-------------+-------------+------------+
|          2 | Sarah Smith | 2016-05-10  | 2016-05-12 |
+------------+-------------+-------------+------------+
1 row in set (0.000 sec)

MariaDB [test]> 
```

** First query inserts new row in table but it is not become permanent until we pass COMMIT command as we have AUTOCOMMIT set to false. Now ROLLBACK will delete the changes for given instance for the table. As seen, when we insert following query again it adds in table but with next value of auto

increment field as database already has assigned first value to the row we deleted. This helps in keeping track of deleted data and increase data redundancy.

Insert into PurchasedItem (purchaseID, itemNo, productName, or

deredqty, quotedPrice) VALUES (**LAST_INSERT_ID()**, 1, 'Cricket bat', 2, 80.50);

```
MariaDB [test]> SELECT * FROM Purchase;
+------------+-------------+-------------+------------+
| purchaseID | custName    | orderedDate | shipDate   |
+------------+-------------+-------------+------------+
|          2 | Sarah Smith | 2016-05-10  | 2016-05-12 |
+------------+-------------+-------------+------------+
1 row in set (0.000 sec)


MariaDB [test]> Insert into PurchasedItem (purchaseID, itemNo, productName, or
deredqty, quotedPrice) VALUES (LAST_INSERT_ID(), 1, 'Cricket bat', 2, 80.50);
Query OK, 1 row affected (0.000 sec)

MariaDB [test]> SELECT * FROM PurchasedItem;
+------------+--------+-------------+------------+-------------+
| purchaseID | itemNo | productName | orderedQty | quotedPrice |
+------------+--------+-------------+------------+-------------+
|          2 |      1 | Cricket bat |          2 |       80.50 |
+------------+--------+-------------+------------+-------------+
1 row in set (0.000 sec)

MariaDB [test]> COMMIT;
Query OK, 0 rows affected (0.006 sec)

MariaDB [test]> 
```

** LAST_INSERT_ID() function adds value of parent table's autoincrement field into given query. Value is associated only with last parent statement successfully executed for given instance.