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MySQL 8.0 Command Line Cll  x  +  v

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

mysql> create database libraries;
Query OK, 1 row affected (0.02 sec)

mysql> use libraries;
Database changed
mysql> CREATE TABLE library (
  ->     book_id INT PRIMARY KEY,
  ->     title VARCHAR(100),
  ->     author VARCHAR(50),
  ->     genre VARCHAR(30) DEFAULT 'General',
  ->     copies_available INT DEFAULT 1
  -> );
Query OK, 0 rows affected (0.05 sec)

mysql> select * from library;
Empty set (0.00 sec)

mysql> INSERT INTO library (book_id, title, author, genre, copies_available)
  -> VALUES (1, 'The Alchemist', 'Paulo Coelho', 'Fiction', 3);
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO library (book_id, title, author, copies_available)
  -> VALUES (2, 'Wings of Fire', 'A.P.J. Abdul Kalam', 5);
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO library (book_id, title, author, genre)
  -> VALUES (3, 'To Kill a Mockingbird', 'Harper Lee', 'Classic');
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO library (book_id, title, author, genre, copies_available)
  -> VALUES (4, '1984', 'George Orwell', NULL, NULL);
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO library (book_id, title, author)
  -> VALUES (5, 'Python Programming', 'Guido van Rossum');
Query OK, 1 row affected (0.01 sec)

mysql> select * from library;
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Query OK, 1 row affected (0.01 sec)

mysql> select * from library;
+-----+-----+-----+-----+-----+
| book_id | title           | author           | genre  | copies_available |
+-----+-----+-----+-----+-----+
| 1       | The Alchemist   | Paulo Coelho     | Fiction | 3                |
| 2       | Wings of Fire   | A.P.J. Abdul Kalam | General | 5                |
| 3       | To Kill a Mockingbird | Harper Lee      | Classic | 1                |
| 4       | 1984            | George Orwell    | NULL   | NULL             |
| 5       | Python Programming | Guido van Rossum  | General | 1                |
+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql> -- Update copies_available for the book titled '1984'
mysql> UPDATE library
-> SET copies_available = 4
-> WHERE title = '1984';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> select * from library;
+-----+-----+-----+-----+-----+
| book_id | title           | author           | genre  | copies_available |
+-----+-----+-----+-----+-----+
| 1       | The Alchemist   | Paulo Coelho     | Fiction | 3                |
| 2       | Wings of Fire   | A.P.J. Abdul Kalam | General | 5                |
| 3       | To Kill a Mockingbird | Harper Lee      | Classic | 1                |
| 4       | 1984            | George Orwell    | NULL   | 4                |
| 5       | Python Programming | Guido van Rossum  | General | 1                |
+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql> DELETE FROM library
-> WHERE title = 'Wings of Fire';
Query OK, 1 row affected (0.01 sec)

mysql> SELECT * FROM library;
+-----+-----+-----+-----+-----+
| book_id | title           | author           | genre  | copies_available |
+-----+-----+-----+-----+-----+
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+-----+-----+-----+-----+-----+
| book_id | title           | author           | genre  | copies_available |
+-----+-----+-----+-----+-----+
| 1       | The Alchemist   | Paulo Coelho     | Fiction| 3                 |
| 2       | Wings of Fire   | A.P.J. Abdul Kalam | General| 5                 |
| 3       | To Kill a Mockingbird | Harper Lee      | Classic| 1                 |
| 4       | 1984            | George Orwell    | NULL   | 4                 |
| 5       | Python Programming | Guido van Rossum | General| 1                 |
+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql> DELETE FROM library
      -> WHERE title = 'Wings of Fire';
Query OK, 1 row affected (0.01 sec)

mysql> SELECT * FROM library;
+-----+-----+-----+-----+-----+
| book_id | title           | author           | genre  | copies_available |
+-----+-----+-----+-----+-----+
| 1       | The Alchemist   | Paulo Coelho     | Fiction| 3                 |
| 3       | To Kill a Mockingbird | Harper Lee      | Classic| 1                 |
| 4       | 1984            | George Orwell    | NULL   | 4                 |
| 5       | Python Programming | Guido van Rossum | General| 1                 |
+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql>
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