```
SELECT author_name, book_name,
 writetime(book_name) FROM books_by_author;
we're not allowed to ask for the timestamp on primary key columns:
SELECT author_name, book_name,
 writetime(author_name) FROM books_by_author;
  INSERT INTO books_by_author (author_name, publish_year, book_id, book_name, rating)
      VALUES('James Patterson', 2017, uuid(), 'Manning', 4.0);
SELECT * FROM books_by_author
      WHERE author_name= 'James Patterson'
universally unique identifier (UUID) is a 128-bit value hexadecimal value.
The set data type stores a collection of elements. The elements are unordered, but calsh returns the
elements in sorted order.
ALTER TABLE books_by_author
      ADD emails set<text>;
DESCRIBE TABLE books_by_author;
UPDATE books_by_author SET emails = {'james_patter@gmail.com'}
      WHERE author_name= 'James Patterson';
UPDATE books_by_author SET emails = emails + {'james_patterson123@gmail.com'}
      WHERE author_name= 'James Patterson';
UPDATE books_by_author SET emails = emails - {'james_patter@gmail.com'}
      WHERE author_name= 'James Patterson';
UPDATE books_by_author SET emails = {}
      WHERE author_name= 'James Patterson';
```

The list data type contains an ordered list of elements. By default, the values are stored in order of insertion

```
ALTER TABLE books_by_author ADD
phone_numbers list<text>;

UPDATE books_by_author SET phone_numbers = ['1-800-000-9999']
    WHERE author_name= 'James Patterson';

UPDATE books_by_author SET phone_numbers = phone_numbers + ['080-111-111-111']
    WHERE author_name= 'James Patterson';

UPDATE books_by_author SET phone_numbers[1] = '480-111-1111'
    WHERE author_name= 'James Patterson';

DELETE phone_numbers[0] from books_by_author
    WHERE author_name= 'James Patterson';
```

The map data type contains a collection of key/value pairs.

ALTER TABLE books_by_author ADD login_sessions map<timeuuid, int>;

timeuuid is unique identifier derived from the MAC address of the computer, the system time, and a sequence number to prevent duplicates.cqlsh provides several convenience functions for interacting with the timeuuid type: now(), dateOf() and unixTimestampOf().

UPDATE books_by_author SET login_sessions = { now(): 13, now(): 18}
WHERE author_name= 'James Patterson';