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Program 2

1. > Create Keyspace Library with replication = {'class' : 'Simple Strategy', 'replication_factor' : 1 } and durable_writes = 'true';

2. > Create table Library_Info (Stud-id int, Counter_value counter, Stud-Name text, Book-Name text, Book_Id int, Date_of-issue timestamp, primary key (stud_id, Book_id, Stud-Name, Book-Name, Date_of-issue));

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3.> update Library-Info & set counter-value = counter-value +1 where stud-name = 'AB' and stud-id = 111 and Book-id = 1 & Book-name 'DSR and Date-of-issue = '2020-01-18';

> update Library-Info set counter-value = counter-value +1 where stud-name = 'CD' and stud-id = 112 and Book-id = 2 & Book-name = 'BDA' and Date-of-issue = '2020-02-10';

> update Library-Info set counter-value = counter-value +1 where stud-name = 'CD' and stud-id = 112 and Book-id = 2 and Book-name = 'BDA' and Date-of-issue = '2020-05-11';

> update Library-Info set counter-value = counter-value +1 where stud-name = 'Tanusha' and stud-id = 115 and Book-id = 5 and Book-name = 'SPM' and Date-of-issue = '2020-12-01';

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4. > Select * from Library-Info;

> update Library-Info set counter_value = counter_value + 1 where stud-name = 'AB' and stud-id = 111 and Book_id = 1 & Book-name = 'DSR' and Date-of-issue = '2020-01-18';

> update Library-Info set counter-value = counter_value + 1 where stud-name = 'CD' and stud-id = 112 and Book_id = 2 and Book-name = 'BDA' and Date-of-issue = '2020-02-10';

> update Library-Info set counter-value = counter_value + 1 where stud-name = 'CD' and stud-id = 112 and Book_id = 2 and Book-name = 'BDA' and Date-of-issue = '2020-05-11';

> update Library-Info set counter-value = counter-value + 1 where stud-name = 'Tanusha' and stud-id = 115 and Book-id = 5 and Book-name = 'SQM' and Date-of-issue = '2020-12-01';

> Select * from Library-Info;

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5.> Select   Book.Name, counter_value .from
              Library-Info where Stud_id = 112;

6.> Copy   Library-Info (Stud_id, Counter_value,
             Stud.Name, Book_id, Book_name, Date_of_issue)
      To   `F:/BDA/tanusha.csv`;

7.> Create   table , Library-InfoNew (Stud_id int,
             Counter_value counter, Stud_name text,
             Book_id int, Book_name text,
             Date_of_issue timestamp,
             primary key (Stud_id, Stud_name, Book_id,
             Book_name, Date_of_issue));

> Copy   Library-InfoNew (Stud_id, Counter_value,
          Stud_name, Book_id, Book_name, Date of issue)
   From   `F:/BDA/tanusha.csv`;