Meghana H.L

1BM18CS412.   EXP - 2

1. Create a keyspace by name Library.

   → create KEYSPACE Library with replication =
   {'class' : 'SimpleStrategy', 'replication factor':3}

2. Create a column family by name library-info
   with attributes stud_id primary key, counter-value
   of type counter, stud_name, Book_name,
   Book_id, Date_of_issue.

   → create TABLE library_info (Student_id int,
   counter_value counter, student_name text, book_
   name text, book_id int, date_of_issue date,
   PRIMARY KEY (student_id, student_name,
   book_name, book_id, date_of_issue));

   → select * from library_info;

3 Insert the values.

   → UPDATE library_info set counter_value =
   counter_value + 1 where student_id = 113 and
   student_name = 'Meghana H L' AND book_
   name = 'BDA' AND book_id = 1000 AND
   Date_of_issue = '2017-10-15';

4) Display the details of the table created &
   increase the value of counter.

   → select * from library_info;

   → update library_info set counter = counter_value + 2
   where student_id = 113 And student_name =
   'BDA' and book_id = 1001 AND book_name =
   'BDA' & date_of_issue = '2017-10-15'

5) Write a query to show that a student with id=112 has taken a book 'BDA' 2 times

→ Select sum (counter_value) from library_info where student_id = 112 AND student_name = ' Meghana hl ' AND book_name = 'BDA';

6) Export the created column to a csv file.

Copy library_info (Student_id, Student_name, book_name, book_id, date_of_issue, counter_vab) TO 'output. csv'.

7) Import a csv dataset from local file System into cassandra column family.

→ create Table library_output_info (student_id int, counter_value counter, student_name text, book_name text, book_id, int, date_of_issue date, PRIMARY_KEY (student_id, student_name, book_name, book_id, date_of_issue));

→ Copy library_output_info from 'output. csv ' with HEADER = TRUE;

→ select * from Library_output_info;