

1) Employee

- i) create keypace employee with replication = {'class': 'SimpleStrategy', 'replication_factor': 1};
- ii) employee > create table emp-info (emp-id int, emp-name text, designation text, doj timestamp, salary double, dept-name text, primary key (emp-id, salary));
- iii) begin batch
insert into (emp-id, emp-name, designation, doj, salary, dept-name)
values (120, 'Sai', 'SE', '2020-05-11', 80000, 'IT')
insert into (emp-id, emp-name, designation, doj, salary, dept-name)
values (121, 'Ram', 'BTA', '2020-04-11', 60000, 'Sales')
insert into (emp-id, emp-name, designation, doj, salary, dept-name)
values (122, 'Ravi', 'Technical Staff', '2020-1-11', 7000, 'Dev')
apply batch;
- iv) update emp-info set emp-name = 'Sam', dept-name = 'Marketing'
where emp-id = 121 and salary = 60000;
- v) alter table emp-info add projects set <text>;
- vi) update emp-info set projects = {'webdesign'} where emp-id = 120
and ~~emp~~ salary = 80000
- vii) update emp-info using ttl 15 set emp-name = 'sai' where
emp-id = 120 and salary = 80000;

2) Library

i) Create Keyspace libraries with replication = {'class': 'SingleStrategy', 'replication_factor': 1};

ii) Create table library_info (Stud-id int, Counted-Value Counted, Stud-name text, book-name text, book-id int, doi text, Primary Key (Stud-id, Stud-name, book-name, book-id, doi));

iii) update library_info set Counted-Value = Counted-Value + 1 where Stud-id = 1 and Stud-name = 'sai' and book-name = 'BDA' and book-id = 100 and doi = '12/5/2020';

update library_info set Counted-Value = Counted-Value + 1 where Stud-id = 2 and Stud-name = 'Sam' and book-name = 'BDA' and book-id = 100 and doi = '11/7/2020';

update library_info set Counted-Value = Counted-Value + 1 where Stud-id = 3 and Stud-name = 'Ram' and book-name = 'DSR' and book-id = 101 and doi = '1/4/2020';

update library_info set Counted-Value = Counted-Value + 1 where Stud-id = 4 and Stud-name = 'Ravi' and book-name = 'BDA' and book-id = 100 and doi = '15/4/2020';

iv) describe library_info;

v) select * from library_info where Counted-Value = 2 ALLOW FILTERING;

vi) copy library_info (Stud-id, Stud-name, book_name, book-id, doi, Counted-value)
to 'library.csv';

vii) copy library_info (Stud-id, Stud-name, book_name, book-id, doi, Counted-value)
from 'library.csv';