Koneru Tarun

1BISCS136

Q.1) i) Create Key space Employee :-

> CREATE KEYSPACE Employee with replication = { 'class': 'Simple strategy', 'replication_factor': 1 };

ii) Creating column family

> CREATE TABLE Employee_Info (Emp_id int PRIMARY KEY, Emp_name text, Designation text, Date Of Joining time stamp, Salary double, Department text);

iii) Insert values into table

> BEGIN BATCH

... INSERT INTO Employee_Info (Emp_id, Emp_name, Designation, Date of Joining, Salary, Department) Values (121, 'ABC', 'SE', '2020-11-12', 180000, 'CMR')

:
:

--- APPLY BATCH;

iv) Update Employee name & Department of Emp_id 123

> UPDATE Employee_Info SET Emp_name = 'XYZ' where Emp_id = 123

v) Alter table to add a Column Projects

> ALTER TABLE Employee_Info ADD Projects set< text>;

vi) Update altered table to add Project names.

```
> UPDATE Employee_Info. SET Projects = Projects + {'P1, P2'} where Emp_id = 1?
```

vii) Create a TTL of 15 seconds to display values of Employees

```
> INSERT INTO Employee_Info (Emp_id, Emp_name, Designation,
  Date of Joining, Salary, Department) VALUES (125, 'PQR', 'SE',
  '2020-12-11', 12000, 'Development') USING 5;
```

Q.2)
```
> CREATE KEYSPACE Library with replication = {'class': 'SimpleStrategy',
  'replication_factor':1};
```

```
> CREATE TABLE Library_Info (Stud_Id int, Stud_name text,
  Book_name text, Date-of-Issue timestamp, Counter-Value Counter,
  PRIMARY KEY (Stud_Id, Stud_name, Book_name, Book_Id, Date-of-issue);
```

```
> UPDATE Library_Info SET Counter-Value = Counter-Value + 1
  WHERE Stud_Id = 112 and Stud_name = 'ABC' and book_name = 'BDA'
  and book_id = 1 and date-of-issue = '2020-12-11'
```

Display details :-
```
SELECT * FROM Library_Info;
```

Query to show that a student with id 112 has taken a book "BDA" 2 times

```
> SELECT * from Library_inf where Stud_Id = 112;
```

Exporting :-

> COPY Library_Info (Stud_Id, Stud_name, Book_name, Book_Id, Date_of_issue, Counter_value) to 'D : \Library_Info . CSV'

Importing :-

> COPY Library_Info (Stud_Id, Stud_name, Book_name, Book_Id, Date_Of_Issue, Counter_value) FROM 'D : \Library_Info . CSV'