

Lab-4Working with Cassandra

1) Create KEYSPACE Students WITH REPLICATION:
 { 'class': 'SimpleStrategy', 'replication_factor': 1 };

2) Describe existing Keyspaces
 DESCRIBE KEYSPACES;

Output

system - schema system - auth system - distributed
 system - traces student

3) SELECT * FROM system - schema . Keyspaces;

USE Students;

4) To Create table by name Student - Info:
 CREATE TABLE Student - Info (Roll - No int
 PRIMARY KEY, StudName text, Date of Joining
 time stamp, last - exam - Percent double);

* Insert:

BEGIN BATCH

INSERT INTO Student - Info (Roll - No,
 Stud Name, Date of Joining, last - exam -
 Percent)

Values (1, 'Asha', '2012-03-12', 79.9)

INSERT

Values (1, 'Kiran', '2012-03-12', 89.9)

INSERT

Values (1, 'Tarun', '2012-03-12', 78.9)

INSERT

Values (1, 'Samarth', '2012-03-12', 90.9)

INSERT
Values (1, 'Smitha', '2012-03-12', 67.9)

INSERT
Values (1, 'Rehan', '2012-03-12', 56.9)
APPLY BATCH;

SELECT * FROM Students-Info;

Output

roll no	date of joining	last exam - percent	Stud Name
5	2012-03-11 18:30:00	67.9	Smitha
1	2012-03-11	79.9	Asha
2	2012-03-11	89.9	Keenan
4	2012-03-11	90.9	Samarth
6	2012-03-11	56.9	Rehan
3	2012-03-11	78.9	Tarun

SELECT * FROM Students-Info WHERE
Roll_No IN (1, 2, 3);

Output

roll no	date of joining	last exam - percent	Stud Name
1	2012-03-11	79.9	Asha
2	2012-03-11	89.9	Keenan
3	2012-03-11	78.9	Tarun

Select * from Students-Info where StudName = 'Asha';

Output

roll no	date of joining	last exam - percent	StudName
1	2012-03-11	79.9	Asha

To Create INDEX on StudName column of the
Students-Info column family
CREATE INDEX ON Students-Info (StudName);

* select Roll No, Stud Name from student-info
LIMIT 2;

Output

roll no	stud name
5	Smisha
1	Asha

* select Roll No as "USN" from student-info;

Output

USN

5

1

2

4

6

3

* UPDATE student-info

SET Stud Name = 'David Green' where Roll no = 2;

Output

roll no	date of joining	last exam percent	stud name
2	2022-03-01	89.9	David Green

* DELETE last_exam_percent FROM student-info
where roll no = 2;

~~DELETE FROM student-info WHERE Roll no = 2~~

* CREATE TABLE clearing table

id int PRIMARY KEY,

course_order int,

course_id int,

course_chosen text,

study_hours title text);