**Create KeySpace :**

CREATE KEYSPACE Student WITH REPLICATION = {'class':'SimpleStrategy','replication\_factor':1};

**Describe the existing Keyspaces:**

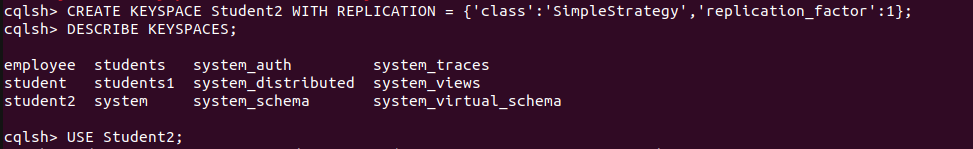
DESCRIBE KEYSPACES;

**For More details on existing keyspaces:**

SELECT \* FROM system.schema\_keyspaces;

**use the keyspace “Students”:**

USE Student2;



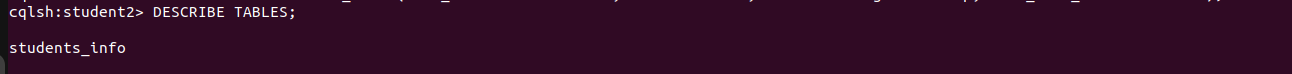
**To create table (column family) by name Student\_Info:**

CREATE TABLE Students\_Info (Roll\_No int PRIMARY KEY, StudName text, DateOfJoining timestamp, last\_exam\_Percent double);



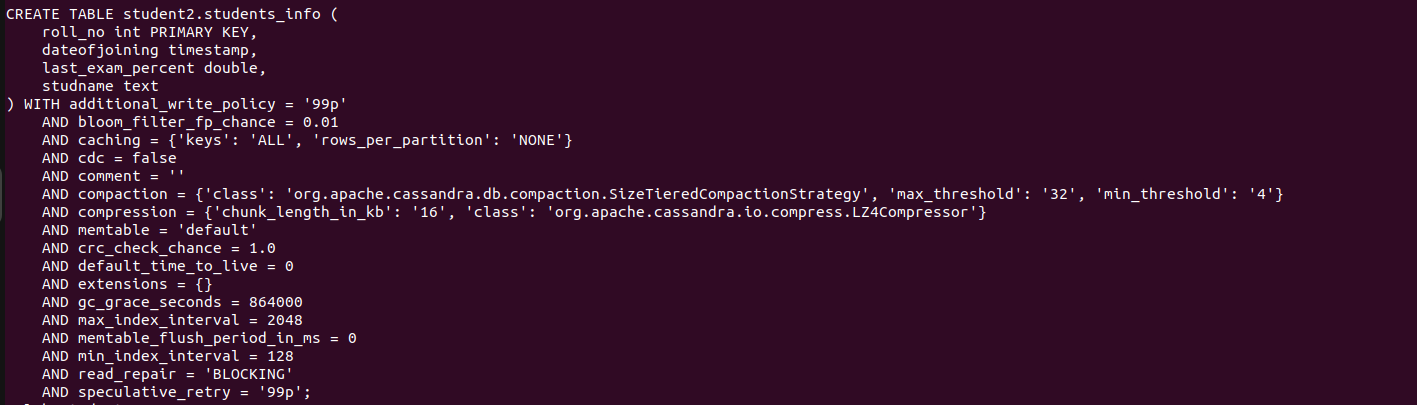
**Lookup the names of all tables in the current keyspaces**

DESCRIBE TABLES;



**Describe the table information**

DESCRIBE TABLE STUDENTS\_INFO;



**CRUD**

**Insert :**

BEGIN BATCH

INSERT INTO Students\_Info(Roll\_No, StudName, DateOfJoining, last\_exam\_Percent)

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

INSERT INTO Students\_Info(Roll\_No, StudName, DateOfJoining, last\_exam\_Percent)

VALUES (2,'Krian','2012-03-12',89.9)

INSERT INTO Students\_Info(Roll\_No, StudName, DateOfJoining, last\_exam\_Percent)

VALUES (3,'Tarun','2012-03-12',78.9)

INSERT INTO Students\_Info(Roll\_No, StudName, DateOfJoining, last\_exam\_Percent)

VALUES (4,'Samrth','2012-03-12',90.9)

INSERT INTO Students\_Info(Roll\_No, StudName, DateOfJoining, last\_exam\_Percent)

VALUES (5,'Smitha','2012-03-12',67.9)

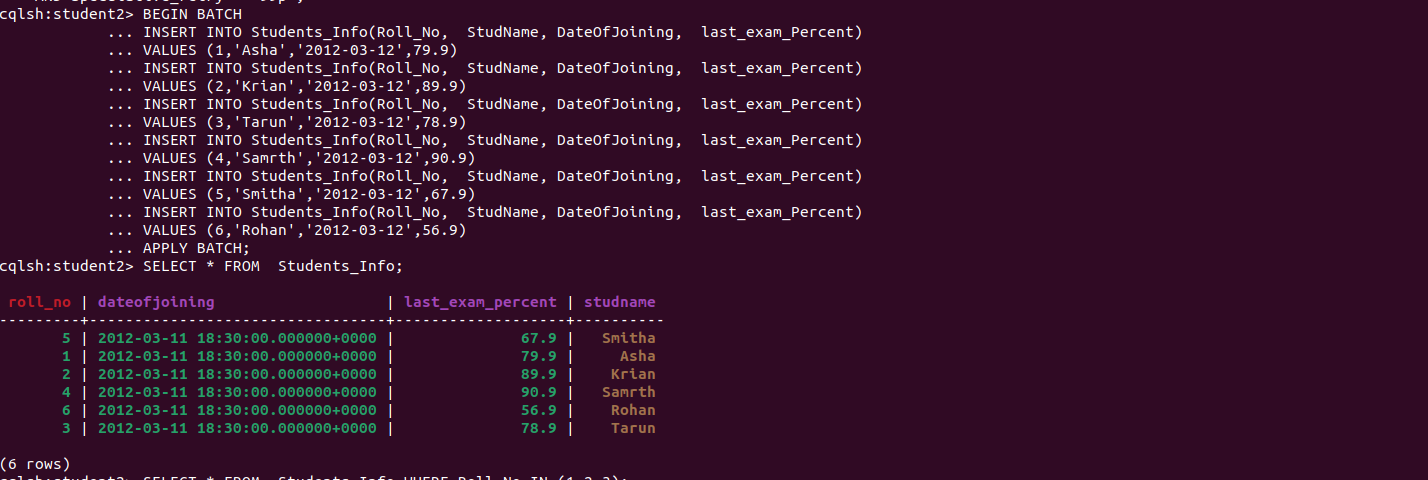
INSERT INTO Students\_Info(Roll\_No, StudName, DateOfJoining, last\_exam\_Percent)

VALUES (6,'Rohan','2012-03-12',56.9)

APPLY BATCH;

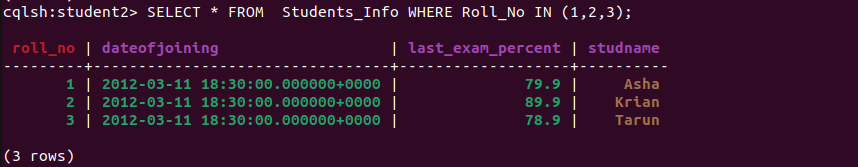
**View data from the table “Students\_Info”**

SELECT \* FROM Students\_Info;



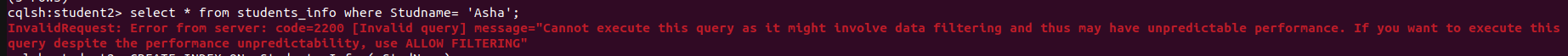
**View data from the table “Students\_Info” where RoolNo column either has a value 1 or 2 or 3**

SELECT \* FROM Students\_Info WHERE Roll\_No IN (1,2,3);



**To execute a non primary key - will throw an error**

select \* from students\_info where Studname= 'Asha';



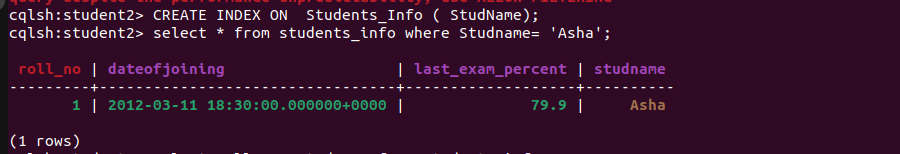
**So create an INDEX on the Column as below:**

**To create an INDEX on StudName Column of the Students\_Info column family**

CREATE INDEX ON Students\_Info ( StudName);

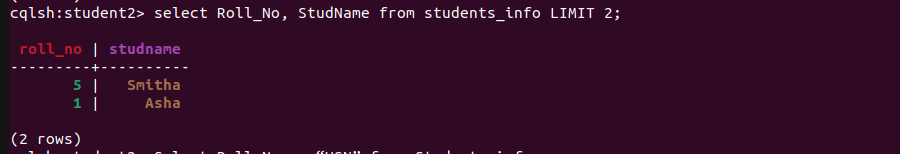
**Now execute the query based on the INDEXED Column:**

select \* from students\_info where Studname= 'Asha';



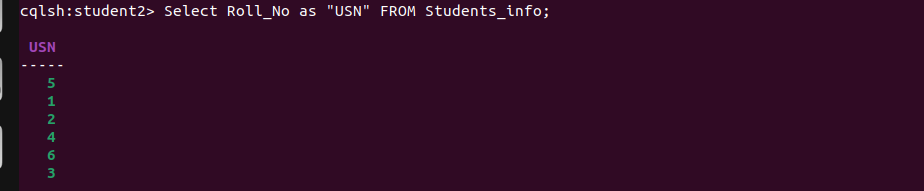
**To specify the number of rows retured in the output**

select Roll\_No, StudName from students\_info LIMIT 2;



**Alias for Column:**

Select Roll\_No as “USN” from Students\_info;



**UPDATE**

UPDATE students\_info SET StudName='David Sheen' WHERE Roll\_No=2;



Lets try to update the primary key

UPDATE students\_info SET roll\_no=6 WHERE roll\_no=3;



DELETE

DELETE LastExamPercent FROM students\_info WHERE Roll\_No=2;



Delete a Row

DELETE FROM student\_info WHERE RollNo=2;

