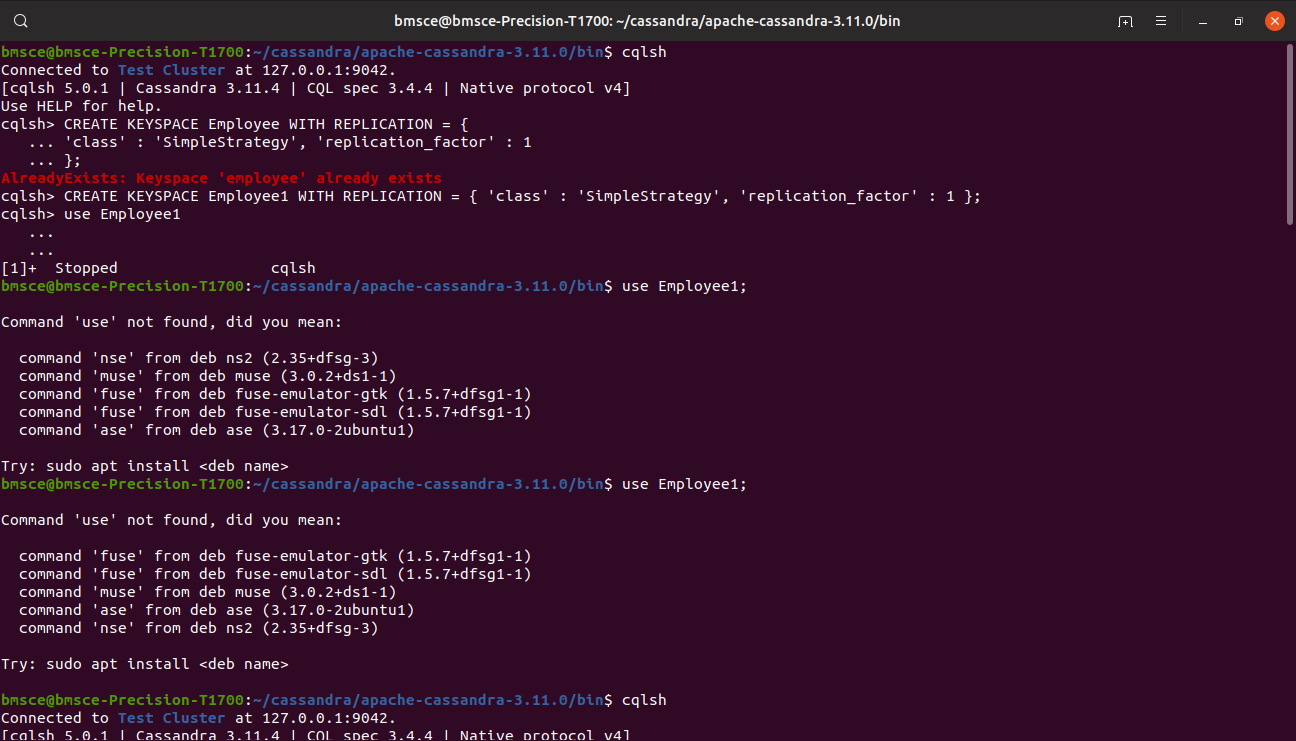
Program 1. Perform the following DB operations using Cassandra.

1. Create a key space by name Employee

CREATE KEYSPACE Employee WITH REPLICATION = {

... 'class' : 'SimpleStrategy', 'replication\_factor' : 1

... };



2. Create a column family by name Employee-Info with attributes Emp\_Id Primary Key, Emp\_Name, Designation, Date\_of\_Joining, Salary, Dept\_Name

CREATE TABLE Employee\_info(

... Emp\_Id int PRIMARY KEY,

... Emp\_Name text,

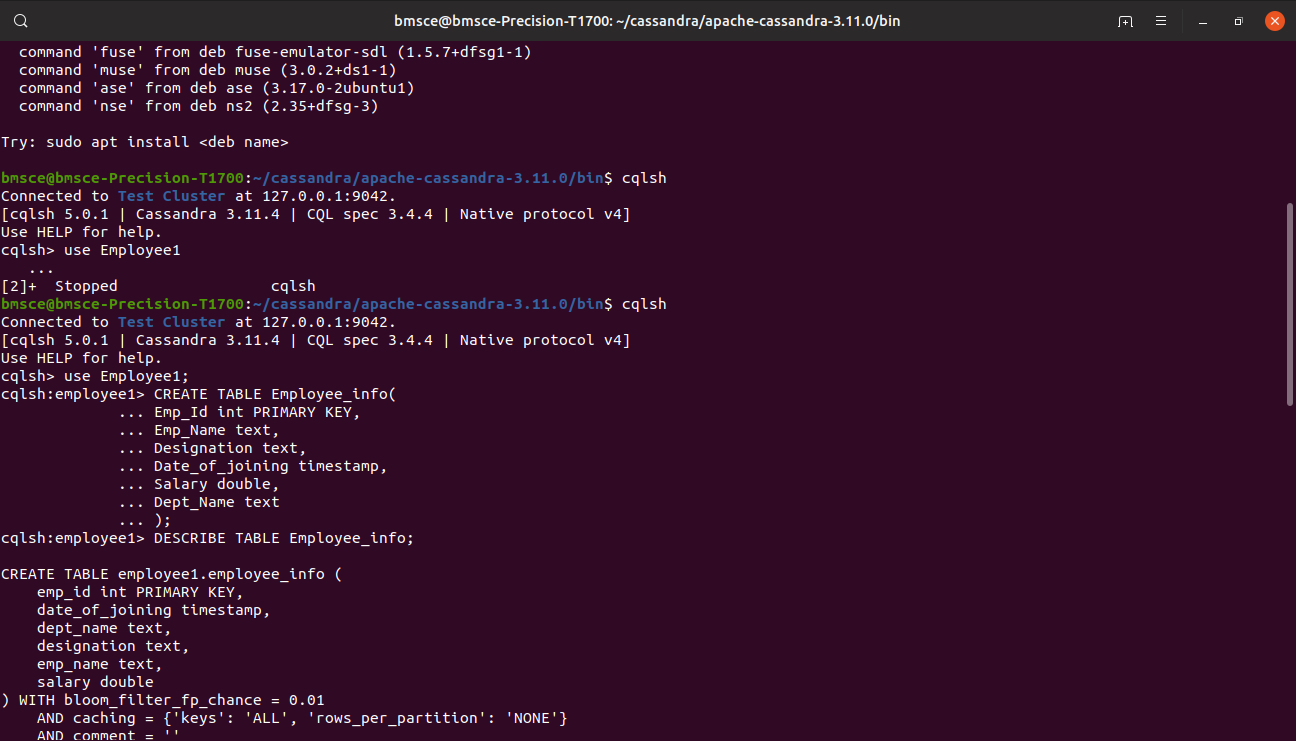
... Designation text,

... Date\_of\_joining timestamp,

... Salary double,

... Dept\_Name text

... );



3. Insert the values into the table in batch

BEGIN BATCH

... INSERT INTO Employee\_info(Emp\_Id,Emp\_Name,Designation,Date\_of\_joining,Salary,Dept\_Name)

... VALUES(1,'Prema','Manager','2023-08-28',50000,'Executive')

... INSERT INTO Employee\_info(Emp\_Id,Emp\_Name,Designation,Date\_of\_joining,Salary,Dept\_Name)

... VALUES(121,'Pooja','Product-Manager','2023-08-28',60000,'Product-Management')

... INSERT INTO Employee\_info(Emp\_Id,Emp\_Name,Designation,Date\_of\_joining,Salary,Dept\_Name)

... VALUES(118,'Prathiksha','Design-Lead','2023-09-28','70000','Design')

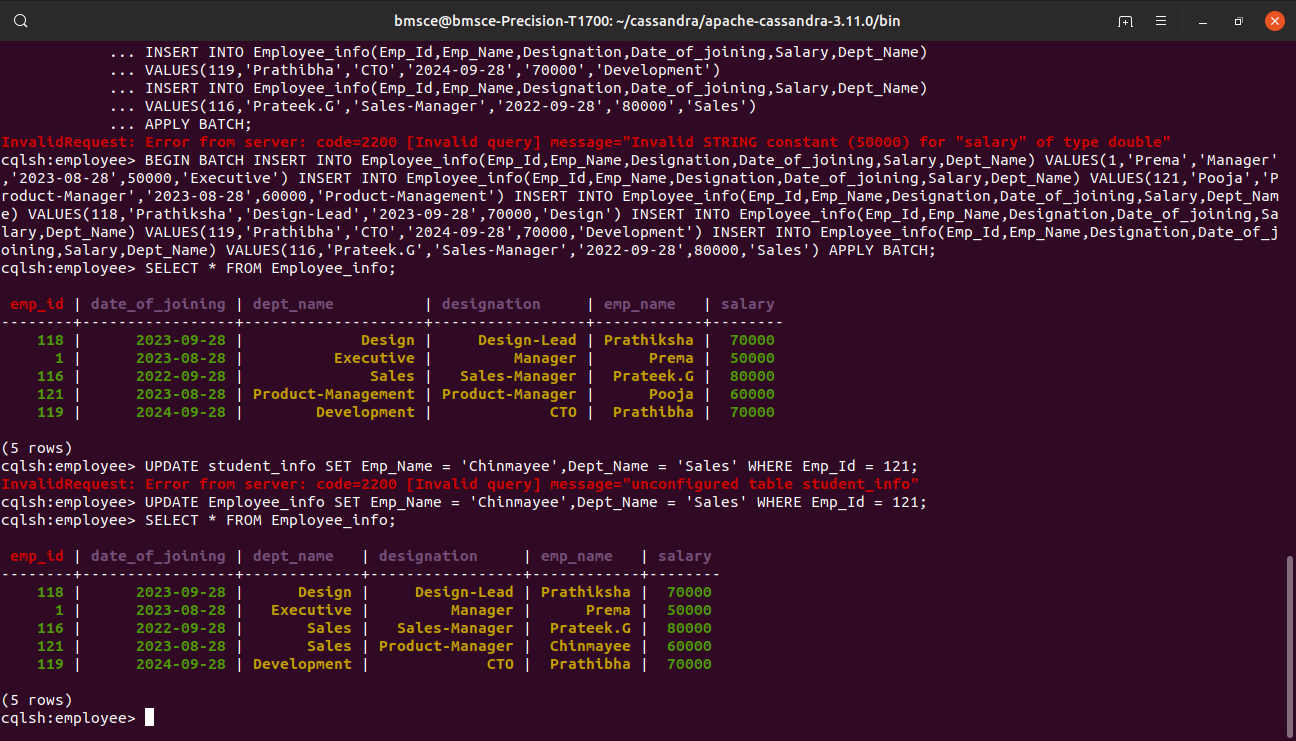
... INSERT INTO Employee\_info(Emp\_Id,Emp\_Name,Designation,Date\_of\_joining,Salary,Dept\_Name)

... VALUES(119,'Prathibha','CTO','2024-09-28','70000','Development')

... INSERT INTO Employee\_info(Emp\_Id,Emp\_Name,Designation,Date\_of\_joining,Salary,Dept\_Name)

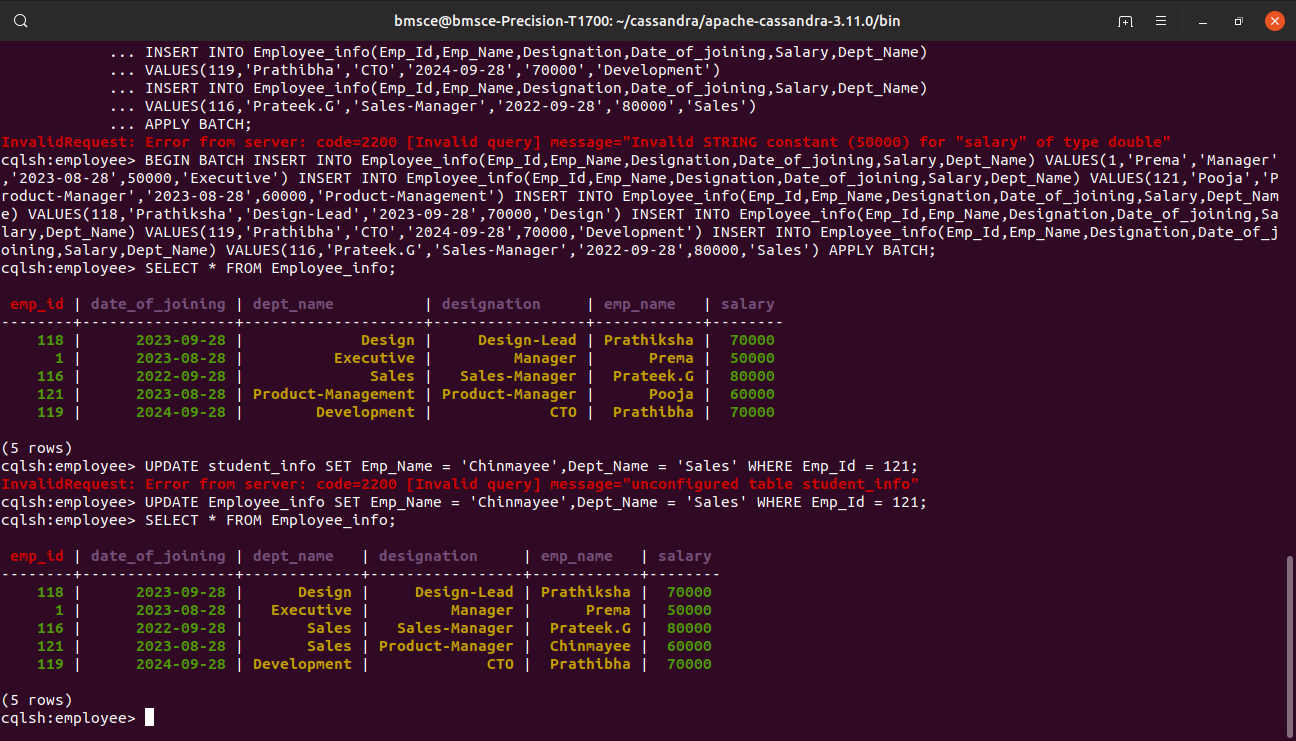
... VALUES(116,'Prateek.G','Sales-Manager','2022-09-28','80000','Sales')

... APPLY BATCH;



4. Update Employee name and Department of Emp-Id 121

UPDATE Employee\_info SET Emp\_Name = 'Chinmayee',Dept\_Name = 'Sales' WHERE Emp\_Id = 121;



5. Sort the details of Employee records based on salary  
6. Alter the schema of the table Employee\_Info to add a column Projects which stores a set of Projects done by the corresponding Employee.  
7. Update the altered table to add project names.  
8 Create a TTL of 15 seconds to display the values of Employees.