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bmscsecse@bmscsecse-HP-Pro-Tower-400-G9-PCI-Desktop-PC: ~
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000
bmscsecse@bmscsecse-HP-Pro-Tower-400-G9-PCI-Desktop-PC: $ ^[[200-cqlsh
cqlsh: command not found
bmscsecse@bmscsecse-HP-Pro-Tower-400-G9-PCI-Desktop-PC: $ -cqlsh
Command '~cqsh' not found, did you mean:
  command 'cqsh' from snap cqsh (5.0.5)
See 'snap info <snapname>' for additional versions.
bmscsecse@bmscsecse-HP-Pro-Tower-400-G9-PCI-Desktop-PC: $ cassandra -v
4.1.8
bmscsecse@bmscsecse-HP-Pro-Tower-400-G9-PCI-Desktop-PC: $ cqsh
Connected to Test Cluster at 127.0.0.1:9042
[cqlsh 6.1.0 | Cassandra 4.1.8 | CQL spec 3.4.6 | Native protocol v5]
Use HELP for help.
cqsh> CREATE KEYSPACE Employee
... WITH replication = {'class':'SimpleStrategy', 'replication_factor':1};

cqsh>
cqsh> USE Employee;
cqsh:employee> CREATE TABLE Employee_Info (
...     Emp_Id int PRIMARY KEY,
...     Emp_Name text,
...     Designation text,
...     Date_of_Joining date,
...     Salary int,
...     Dept_Name text
... );
cqsh:employee> BEGIN BATCH
...     INSERT INTO Employee_Info (Emp_Id, Emp_Name, Designation, Date_of_Joining, Salary, Dept_Name)
...     VALUES (121, 'Rahul', 'Software Engineer', '2021-03-15', 60000, 'IT');
...
...     INSERT INTO Employee_Info (Emp_Id, Emp_Name, Designation, Date_of_Joining, Salary, Dept_Name)
...     VALUES (122, 'Anita', 'Senior Engineer', '2020-06-10', 75000, 'Development');
...
...     INSERT INTO Employee_Info (Emp_Id, Emp_Name, Designation, Date_of_Joining, Salary, Dept_Name)
...     VALUES (123, 'Vikas', 'Manager', '2019-01-05', 90000, 'HR');
...     APPLY BATCH;
cqsh:employee> UPDATE Employee_Info
...     SET Emp_Name = 'Rahul Sharma', Dept_Name = 'R&D'
...     WHERE Emp_Id = 121;
cqsh:employee> ALTER TABLE Employee_Info
...     ADD Projects set<text>;
cqsh:employee> UPDATE Employee_Info
...     SET Projects = ['Payroll System', 'AI Dashboard', 'Cloud Migration']
...     WHERE Emp_Id = 121;
cqsh:employee> UPDATE Employee_Info
...     SET Projects = ['E-Commerce App', 'API Gateway']
...     WHERE Emp_Id = 122;
cqsh:employee> SELECT * FROM Employee_Info;

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bmscsecse@bmscsecse-HP-Pro-Tower-400-G9-PCI-Desktop-PC: ~
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000
bmscsecse@bmscsecse-HP-Pro-Tower-400-G9-PCI-Desktop-PC: ~
cqlsh:employee>
cqlsh:employee> SELECT * FROM Employee_Info;
+-----+-----+-----+-----+-----+-----+-----+
| emp_id | date_of_joining | dept_name | designation | emp_name | projects | salary |
+-----+-----+-----+-----+-----+-----+-----+
| 123 | 2019-01-05 | HR | Manager | Vikas | null | 90000 |
| 122 | 2020-06-10 | Development | Senior Engineer | Anita | ['API Gateway', 'E-Commerce App'] | 75000 |
| 121 | 2021-03-15 | R&D | Software Engineer | Rahul Sharma | ['AI Dashboard', 'Cloud Migration', 'Payroll System'] | 60000 |
+-----+-----+-----+-----+-----+-----+-----+
(3 rows)
cqlsh:employee> INSERT INTO Employee_Info (Emp_Id, Emp_Name, Designation, Date_of_Joining, Salary, Dept_Name)
...     VALUES (124, 'Test User', 'Intern', '2026-02-09', 30000, 'IT')
...     USING TTL 15;
cqsh:employee>
cqsh:employee> SELECT * FROM Employee_Info WHERE Emp_Id = 124;
+-----+-----+-----+-----+-----+-----+-----+
| emp_id | date_of_joining | dept_name | designation | emp_name | projects | salary |
+-----+-----+-----+-----+-----+-----+-----+
|       |                 |           |             |          |          |      |
+-----+-----+-----+-----+-----+-----+-----+
(0 rows)
cqsh:employee> SELECT * FROM Employee_Info;
+-----+-----+-----+-----+-----+-----+-----+
| emp_id | date_of_joining | dept_name | designation | emp_name | projects | salary |
+-----+-----+-----+-----+-----+-----+-----+
| 123 | 2019-01-05 | HR | Manager | Vikas | null | 90000 |
| 122 | 2020-06-10 | Development | Senior Engineer | Anita | ['API Gateway', 'E-Commerce App'] | 75000 |
| 121 | 2021-03-15 | R&D | Software Engineer | Rahul Sharma | ['AI Dashboard', 'Cloud Migration', 'Payroll System'] | 60000 |
+-----+-----+-----+-----+-----+-----+-----+
(3 rows)
cqlsh:employee> INSERT INTO Employee_Info (Emp_Id, Emp_Name, Designation, Date_of_Joining, Salary, Dept_Name)
...     VALUES (124, 'Test User', 'Intern', '2026-02-09', 30000, 'IT')
...     USING TTL 15;
cqsh:employee>
cqsh:employee> SELECT * FROM Employee_Info;
+-----+-----+-----+-----+-----+-----+-----+
| emp_id | date_of_joining | dept_name | designation | emp_name | projects | salary |
+-----+-----+-----+-----+-----+-----+-----+
| 123 | 2019-01-05 | HR | Manager | Vikas | null | 90000 |
| 122 | 2020-06-10 | Development | Senior Engineer | Anita | ['API Gateway', 'E-Commerce App'] | 75000 |
| 121 | 2021-03-15 | R&D | Software Engineer | Rahul Sharma | ['AI Dashboard', 'Cloud Migration', 'Payroll System'] | 60000 |
| 124 | 2026-02-09 | IT | Intern | Test User | null | 30000 |
+-----+-----+-----+-----+-----+-----+-----+
(4 rows)
cqsh:employee> SELECT * FROM Employee_Info;
+-----+-----+-----+-----+-----+-----+-----+
| emp_id | date_of_joining | dept_name | designation | emp_name | projects | salary |
+-----+-----+-----+-----+-----+-----+-----+
| 123 | 2019-01-05 | HR | Manager | Vikas | null | 90000 |
| 122 | 2020-06-10 | Development | Senior Engineer | Anita | ['API Gateway', 'E-Commerce App'] | 75000 |
| 121 | 2021-03-15 | R&D | Software Engineer | Rahul Sharma | ['AI Dashboard', 'Cloud Migration', 'Payroll System'] | 60000 |
+-----+-----+-----+-----+-----+-----+-----+
(3 rows)
cqsh:employee>

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