

## CQL Question 1

```
token@cqlsh> CREATE TABLE demo.SalesInfo(  
    ...     SalesOrderID int,  
    ...     OrderDate date,  
    ...     OrderValue int,  
    ...     CustomerID int,  
    ...     CustomerName text,  
    ...     TerritoryID int,  
    ...     TerritoryName text,  
    ...     PRIMARY KEY (TerritoryID, OrderValue)  
    ... );  
token@cqlsh> INSERT INTO demo.SalesInfo(SalesOrderID, OrderDate, OrderValue, CustomerID, CustomerName, TerritoryID, TerritoryName)  
    ... VALUES(123, '2017-01-01', 500, 1257, 'Nancy', 1, 'Asia');  
token@cqlsh> INSERT INTO demo.SalesInfo(SalesOrderID, OrderDate, OrderValue, CustomerID, CustomerName, TerritoryID, TerritoryName)  
    ... VALUES(124, '2017-01-02', 600, 1180, 'Kaicheng', 2, 'America');  
token@cqlsh> INSERT INTO demo.SalesInfo(SalesOrderID, OrderDate, OrderValue, CustomerID, CustomerName, TerritoryID, TerritoryName)  
    ... VALUES(125, '2017-01-03', 400, 1280, 'Kevin', 1, 'Asia');  
token@cqlsh> INSERT INTO demo.SalesInfo(SalesOrderID, OrderDate, OrderValue, CustomerID, CustomerName, TerritoryID, TerritoryName)  
    ... VALUES(126, '2017-01-04', 800, 1259, 'Fish', 2, 'America');  
token@cqlsh> SELECT TerritoryID, TerritoryName, MAX(OrderValue)  
    ... FROM demo.SalesInfo  
    ... GROUP BY TerritoryID;
```

| territoryid | territoryname | system.max(ordervalue) |
|-------------|---------------|------------------------|
| 1           | Asia          | 500                    |
| 2           | America       | 800                    |

## CQL Question 2

```

token@cqlsh> CREATE TABLE demo.Sales(
...     SalesOrderID int,
...     OrderDate date,
...     OrderValue int,
...     CustomerID int,
...     CustomerName text,
...     TerritoryID int,
...     TerritoryName text,
...     PRIMARY KEY (CustomerID, OrderDate)
... );
token@cqlsh> INSERT INTO demo.Sales(SalesOrderID, OrderDate, OrderValue, CustomerID, CustomerName, TerritoryID, TerritoryName)
... VALUES(1234, '2019-01-01', 500, 12344, 'Kaicheng', 1, 'Asia');
token@cqlsh> INSERT INTO demo.Sales(SalesOrderID, OrderDate, OrderValue, CustomerID, CustomerName, TerritoryID, TerritoryName)
... VALUES(1235, '2019-01-01', 1000, 12345, 'Nancy', 1, 'Asia');
token@cqlsh> INSERT INTO demo.Sales(SalesOrderID, OrderDate, OrderValue, CustomerID, CustomerName, TerritoryID, TerritoryName)
... VALUES(1236, '2019-01-02', 400, 12345, 'Nancy', 1, 'Asia');
token@cqlsh> INSERT INTO demo.Sales(SalesOrderID, OrderDate, OrderValue, CustomerID, CustomerName, TerritoryID, TerritoryName)
... VALUES(1237, '2019-01-03', 500, 12345, 'Nancy', 1, 'Asia');

```

```

token@cqlsh> SELECT CustomerID, CustomerName, SalesOrderID, OrderDate, OrderValue
FROM demo.Sales
WHERE CustomerID = 12345
ORDER BY OrderDate DESC;


```

| customerid | customername | salesorderid | orderdate  | ordervalue |
|------------|--------------|--------------|------------|------------|
| 12345      | Nancy        | 1237         | 2019-01-03 | 500        |
| 12345      | Nancy        | 1236         | 2019-01-02 | 400        |
| 12345      | Nancy        | 1235         | 2019-01-01 | 1000       |

(3 rows)

SELECT \* FROM c

Edit Filter

| id                        | /Territo...  |
|---------------------------|---|
| fef1f6b0-e73c...          | 1   |
| c4e6aabf-1bb...           | 2   |
| d0ce21fd-febe...          | 3   |
| 74465902-69a...           | 4   |
| 600baf20-a58...           | 5   |
| 7d70dcc8-135...           | 6   |
| 5ed25b15-689...           | 7   |
| f7133b75-269...           | 8   |
| 1b71d456-ca4...           | 9   |
| 65a8615c-684...           | 10  |
| <a href="#">Load more</a> |   |

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SELECT \* FROM c
Edit Filter

| id               | /Territo... |
|------------------|-------------|
| fef1f6b0-e73c... | 1           |
| c4e6aabf-1bb...  | 2           |
| d0ce21fd-febe... | 3           |
| 74465902-69a...  | 4           |
| 600baf20-a58...  | 5           |
| 7d70dcc8-135...  | 6           |
| 5ed25b15-689...  | 7           |
| f7133b75-269...  | 8           |
| 1b71d456-ca4...  | 9           |
| 65a8615c-684...  | 10          |

Load more

```

2      "TerritoryID": 1,
3      "Name": "Northwest",
4      "SalesPersons": [
5        {
6          "BusinessEntityID": 274,
7          "Bonus": 0,
8          "LastName": "Jiang",
9          "FirstName": "Stephen",
10         "Top30Orders": [
11           {
12             "SalesOrderID": 51830,
13             "OrderAmount": 126852
14           },
15           {
16             "SalesOrderID": 57136,
17             "OrderAmount": 97248
18           },
19           {
20             "SalesOrderID": 43849,
21             "OrderAmount": 23130
22           }
23         ]
24       },

```

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Query 1 x

```

1  SELECT t.TerritoryID, s.LastName, s.FirstName, SUM(m.OrderAmount) AS TotalAmount
2  FROM t
3  JOIN s IN t.SalesPersons
4  JOIN m IN s.Top30Orders
5  WHERE s.BusinessEntityID > 285
6  GROUP BY t.TerritoryID, s.LastName, s.FirstName

```

Results
Query Stats

1 - 7

```

{
  "TerritoryID": 10,
  "LastName": "Alberts",
  "FirstName": "Amy",
  "TotalAmount": 221725
},
{
  "TerritoryID": 9,
  "LastName": "Tsoflias",

```

|  |  |  |
|--|--|--|
|  | <pre>         "TerritoryID": 9,         "LastName": "Tsoflias",         "FirstName": "Lynn",         "TotalAmount": 202734       },       {         "TerritoryID": 8,         "LastName": "Valdez",         "FirstName": "Rachel",         "TotalAmount": 327176       }     ],     {       "TerritoryID": 8,       "LastName": "Alberts",       "FirstName": "Amy",       "TotalAmount": 209296     },     {       "TerritoryID": 7,       "LastName": "Varkey Chudukatil",       "FirstName": "Ranjit",       "TotalAmount": 444300     }   ] </pre> | <pre> 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 </pre> |
|  | <pre>     {       "TerritoryID": 7,       "LastName": "Alberts",       "FirstName": "Amy",       "TotalAmount": 67744     },     {       "TerritoryID": 6,       "LastName": "Pak",       "FirstName": "Jae", </pre>   | <pre> 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 </pre> |

|  |  |  |
|--|--|--|
|  | <pre>     },     {       "TerritoryID": 6,       "LastName": "Pak",       "FirstName": "Jae",       "TotalAmount": 420318     }   ] </pre> |  |
|--|--|--|