Module 3 – CRUD Operations

MongoDB Demo

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Demo:

In this demo, we will create a new collection to perform CRUD operations to manage documents in the collection.

It is important to start the mongod.exe and then mongo.exe file before creating a collection using Nosqlclient application.

1. Open the **Nosqlclient** application. I have already created a connection named **MongoDB_Demo**. Let's **connect** to the connection.
2. To create a new collection, right click the **Collection** option available in the navigation pane and select **Add Collection/View**.
3. Name the collection as **Customers**.
4. Now, we will insert documents in the customer collection. To do so, select **insertMany** Query from the dropdown and enter given data in the Docs field to create documents:

```
[
{
'CUST_CODE': 'CUST-22478',
'FIRST_NAME':'MORGAN',
'LAST_NAME': 'HALE'
},
{
'CUST_CODE': 'CUST-77188',
'FIRST_NAME': 'JOHN',
'LAST_NAME': 'KLESSER'
},
{
'CUST_CODE': 'CUST-2622',
'FIRST_NAME': 'HAPPY',
'LAST_NAME': 'SIMPSONS'
},
{
'CUST_CODE': 'CUST-2356',
'FIRST_NAME': 'HAPPY',
'LAST_NAME': 'SIMPSONS'
},
{
'CUST_CODE': 'CUST-1463',
'FIRST_NAME': 'JIMMY',
'LAST_NAME': 'GEARS'
},
{
'CUST_CODE': 'CUST-2342',
'FIRST_NAME': 'DOLLARS',
'LAST_NAME': 'LINDA'
}
]
```

5. Click **Execute** and observe the result.

In the fifth document with Customer code CUST-2342, first name is swapped with the last name.

6. To make the appropriate changes in the document, select **updateOne** from the Query dropdown.
7. Enter the CUST_CODE of the document to be updated in the Selector field:
    {
    'CUST_CODE' : 'CUST-2342'
    }

8. Insert the data that is to be updated in the Set field:
    {
    'FIRST_NAME': 'LINDA',
    'LAST_NAME': 'DOLLARS'
    }
9. Click **Execute** and observe the result.
10. To observe all the documents available in the Customer collection, select **Find** from the Query dropdown and click **Execute**.

We can observe that Document with CUST_CODE 'CUST-2622' and 'CUST-2356' consist of same customer name which means a duplicate document.

11. To remove the duplicate document, note the CUST_CODE of the document to be removed.
12. Select the **delete** from the Query dropdown.
13. Enter the CUST_CODE in the Selector field and click **Execute**:
    {
    'CUST_CODE': 'CUST-2356'
    }
14. Now, execute the find query to observe if the duplicate document is deleted.

This concludes the demo.