**DB Creation**

1.use SupplyChainDB

2. db.Employees.insertOne({

"Employee\_ID": 1,

"Warehouse\_ID": 1,

"Emp\_Code": "ACME123",

"Emp\_First Name": "John",

"Emp\_Last\_Name": "Doe",

"Emp\_Age": 30,

"Emp\_Contact": 1234567890,

"Emp\_Address": "123 Main Street, Anytown, CA 91234",

"Emp\_City": "Anytown",

"Emp\_Province": "CA"

})

3. db.Employees.insertMany([

{

"Employee\_ID": 2,

"Warehouse\_ID": 2,

"Emp\_Code": "XYZ456",

"Emp\_First Name": "Jane",

"Emp\_Last\_Name": "Doe",

"Emp\_Age": 25,

"Emp\_Contact": 9876543210,

"Emp\_Address": "456 Elm Street, Los Angeles, CA 90001",

"Emp\_City": "Los Angeles",

"Emp\_Province": "CA"

},

{

"Employee\_ID": 3,

"Warehouse\_ID": 3,

"Emp\_Code": "ABC789",

"Emp\_First Name": "Bill",

"Emp\_Last\_Name": "Smith",

"Emp\_Age": 40,

"Emp\_Contact": 1010101010,

"Emp\_Address": "789 Park Avenue, New York, NY 10021",

"Emp\_City": "New York",

"Emp\_Province": "NY"

},

{

"Employee\_ID": 4,

"Warehouse\_ID": 4,

"Emp\_Code": "LMN012",

"Emp\_First Name": "Susan",

"Emp\_Last\_Name": "Jones",

"Emp\_Age": 27,

"Emp\_Contact": 1111111111,

"Emp\_Address": "1010 Washington Street, Chicago, IL 60602",

"Emp\_City": "Chicago",

"Emp\_Province": "IL"

},

{

"Employee\_ID": 5,

"Warehouse\_ID": 5,

"Emp\_Code": "DEF345",

"Emp\_First Name": "Peter",

"Emp\_Last\_Name": "Johnson",

"Emp\_Age": 35,

"Emp\_Contact": 2222222222,

"Emp\_Address": "1111 Maple Street, Houston, TX 77002",

"Emp\_City": "Houston",

"Emp\_Province": "TX"

}

])

4. db.Products.insertOne({

"Product\_ID": 1,

"Bin\_card\_ID": 1,

"Product\_Code": "ACME123",

"Product\_Name": "Acme Product 1",

"Product\_Category": "Electronics",

"Color": "Blue",

"Price": 100.00

})

5. db.Products.insertMany([

{

"Product\_ID": 2,

"Bin\_card\_ID": 2,

"Product\_Code": "XYZ456",

"Product\_Name": "XYZ Product 2",

"Product\_Category": "Clothing",

"Color": "Red",

"Price": 50.00

},

{

"Product\_ID": 3,

"Bin\_card\_ID": 3,

"Product\_Code": "ABC789",

"Product\_Name": "ABC Product 3",

"Product\_Category": "Food",

"Color": "Green",

"Price": 20.00

},

{

"Product\_ID": 4,

"Bin\_card\_ID": 4,

"Product\_Code": "LMN012",

"Product\_Name": "LMN Product 4",

"Product\_Category": "Books",

"Color": "Yellow",

"Price": 30.00

},

{

"Product\_ID": 5,

"Bin\_card\_ID": 5,

"Product\_Code": "DEF345",

"Product\_Name": "DEF Product 5",

"Product\_Category": "Home & Garden",

"Color": "Purple",

"Price": 40.00

}

])

6. db.Suppliers.insertOne({

"Supplier\_ID": 1,

"Supplier\_Name": "Acme Corporation",

"Supplier\_Code": "ACME",

"Address": "123 Main Street, Anytown, CA 91234",

"Established\_Year": 1980,

"Organization\_Type": "Corporation",

"City": "Anytown",

"Province": "CA"

})

7. db.Suppliers.insertMany([

{

"Supplier\_ID": 2,

"Supplier\_Name": "XYZ Company",

"Supplier\_Code": "XYZ",

"Address": "456 Elm Street, Los Angeles, CA 90001",

"Established\_Year": 1990,

"Organization\_Type": "Partnership",

"City": "Los Angeles",

"Province": "CA"

},

{

"Supplier\_ID": 3,

"Supplier\_Name": "ABC Industries",

"Supplier\_Code": "ABC",

"Address": "789 Park Avenue, New York, NY 10021",

"Established\_Year": 2000,

"Organization\_Type": "Corporation",

"City": "New York",

"Province": "NY"

},

{

"Supplier\_ID": 4,

"Supplier\_Name": "LMN Corporation",

"Supplier\_Code": "LMN",

"Address": "1010 Washington Street, Chicago, IL 60602",

"Established\_Year": 2010,

"Organization\_Type": "Corporation",

"City": "Chicago",

"Province": "IL"

},

{

"Supplier\_ID": 5,

"Supplier\_Name": "DEF Enterprises",

"Supplier\_Code": "DEF",

"Address": "1111 Maple Street, Houston, TX 77002",

"Established\_Year": 2020,

"Organization\_Type": "LLC",

"City": "Houston",

"Province": "TX"

}

])

8. db.Warehouses.insertOne({

"Warehouse\_ID": 2,

"CDC\_ID": 4,

"Company\_ID": 5,

"Address": "456 Elm Street, Los Angeles, CA 90001",

"Warehouse\_Code": "XYZ",

"Area\_in\_sqm": 15000,

"Number\_of\_Departments": 10,

"Number\_of\_Employees": 200,

"Province": "CA",

"City": "Los Angeles"

})

9. db.Warehouses.insertMany([

{

"Warehouse\_ID": 1,

"CDC\_ID": 3,

"Company\_ID": 4,

"Address": "123 Main Street, Anytown, CA 91234",

"Warehouse\_Code": "ACME",

"Area\_in\_sqm": 10000,

"Number\_of\_Departments": 5,

"Number\_of\_Employees": 100,

"Province": "CA",

"City": "Anytown"

},

{

"Warehouse\_ID": 2,

"CDC\_ID": 4,

"Company\_ID": 5,

"Address": "456 Elm Street, Los Angeles, CA 90001",

"Warehouse\_Code": "XYZ",

"Area\_in\_sqm": 15000,

"Number\_of\_Departments": 10,

"Number\_of\_Employees": 200,

"Province": "CA",

"City": "Los Angeles"

},

{

"Warehouse\_ID": 3,

"CDC\_ID": 5,

"Company\_ID": 6,

"Address": "789 Park Avenue, New York, NY 10021",

"Warehouse\_Code": "ABC",

"Area\_in\_sqm": 20000,

"Number\_of\_Departments": 15,

"Number\_of\_Employees": 300,

"Province": "NY",

"City": "New York"

},

{

"Warehouse\_ID": 4,

"CDC\_ID": 6,

"Company\_ID": 7,

"Address": "1010 Washington Street, Chicago, IL 60602",

"Warehouse\_Code": "LMN",

"Area\_in\_sqm": 25000,

"Number\_of\_Departments": 20,

"Number\_of\_Employees": 400,

"Province": "IL",

"City": "Chicago"

},

{

"Warehouse\_ID": 5,

"CDC\_ID": 7,

"Company\_ID": 8,

"Address": "1111 Maple Street, Houston, TX 77002",

"Warehouse\_Code": "DEF",

"Area\_in\_sqm": 30000,

"Number\_of\_Departments": 25,

"Number\_of\_Employees": 500,

"Province": "TX",

"City": "Houston"

}

])

10. db.Customers.insertOne({

"Company\_ID": 1,

"Company\_Code": "ACME",

"Company\_Name": "Acme Corporation",

"HQ\_Address": "123 Main Street, Anytown, CA 91234",

"Director\_Name": "John Doe",

"Number Of Employees": 1000

})

11. db.Customers.insertMany([

{

"Company\_ID": 2,

"Company\_Code": "XYZ",

"Company\_Name": "XYZ Corporation",

"HQ\_Address": "456 Elm Street, Los Angeles, CA 90001",

"Director\_Name": "Jane Doe",

"Number Of Employees": 500

},

{

"Company\_ID": 3,

"Company\_Code": "ABC",

"Company\_Name": "ABC Corporation",

"HQ\_Address": "789 Park Avenue, New York, NY 10021",

"Director\_Name": "Bill Smith",

"Number Of Employees": 2000

},

{

"Company\_ID": 4,

"Company\_Code": "LMN",

"Company\_Name": "LMN Corporation",

"HQ\_Address": "1010 Washington Street, Chicago, IL 60602",

"Director\_Name": "Susan Jones",

"Number Of Employees": 1500

},

{

"Company\_ID": 5,

"Company\_Code": "DEF",

"Company\_Name": "DEF Corporation",

"HQ\_Address": "1111 Maple Street, Houston, TX 77002",

"Director\_Name": "Peter Johnson",

"Number Of Employees": 3000

}

])