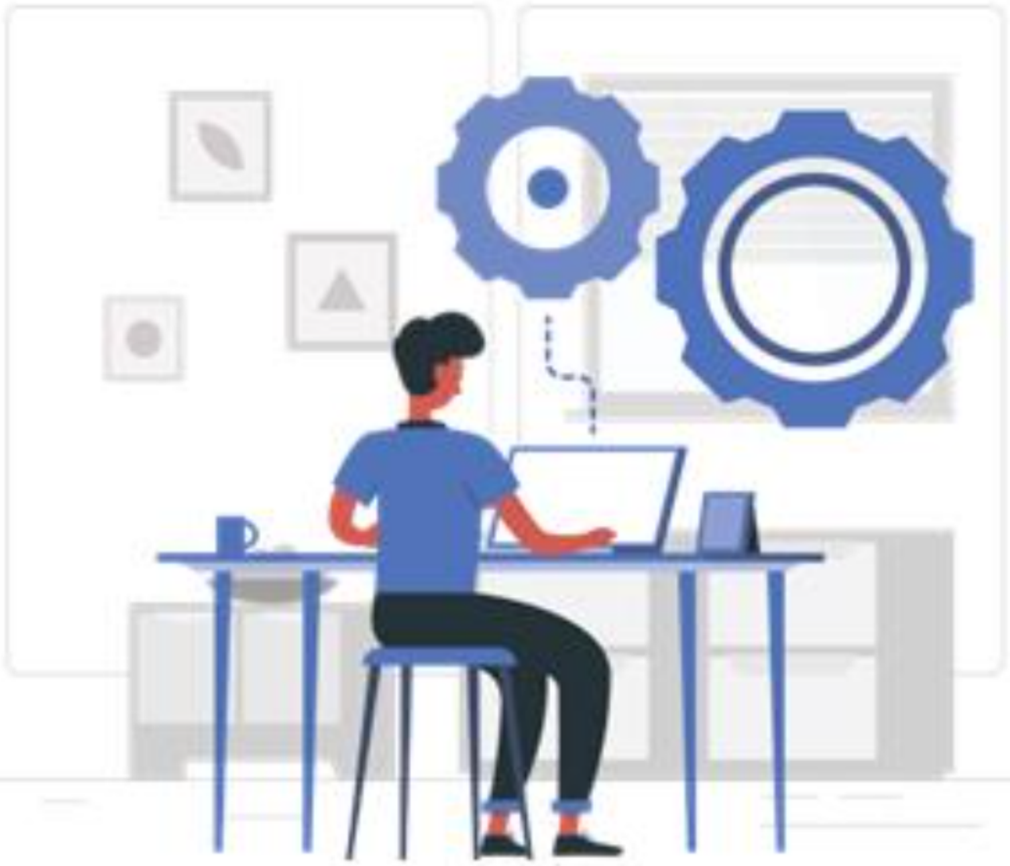

Practice

Use a NoSQL Database (MongoDB) to Manage Semi-Structured and Unstructured Data

Exercises

- Practice 1: Store Unstructured Data - Address

Implementation Environment

- Install the MongoDB shell here.
- Download the zip file, extract it, and save it in a desired location.
- Navigate to the bin folder where the mongosh file is present and copy the path.
- In the system environment variables, add the path and click ok.
- For more details on how to set the path for MongoDB, refer to the documentation.
- Open a terminal and enter `mongosh` to enter the MongoDB terminal.

PRACTICE

Practice 1: Store Unstructured Data - Address

Storing unstructured data is difficult for many developers. In this challenge, we will work with and manipulate unstructured data using a NoSQL database like MongoDB.

The address of employees of an organization must be persisted. The address is unstructured data. Store the details in a collection of MongoDB.

```
{
  _id: ObjectId("632acd5872329d067ebab2fc"),
  houseNo: 23,
  streetName: 'Main Dave Street',
  city: 'NY',
  zipCode: 7002
},
```

Address Details

- The structure of the data for the address is given.
- One sample object of the address is given in the diagram for reference.
- Follow the tasks to work with the data.

Practice #1 – Tasks

- Create a database named address_db.
- Insert values using the insertOne and insertMany commands into the address collection.
- At least 5 address objects must be inserted.
- Write MongoDB queries to:
  - Display all addresses in a formatted manner.
  - Find the address by city Rochester.
  - Count the number of addresses from the city New York.
  - Find the address by city Rochester, New York and Kingston.
  - Delete all documents with city New York.

Submission Instructions

- There is no boilerplate for the practice.
- Install MongoDB before getting started with the challenge
- Create a repository named **BEJ_C2_NoSQL_MongoDB_PC_1**
- Work on the solution in the Mongo shell or MongDB Compass.
- Save the queries in a text editor
- Push the saved text editor to the created repository
- Submit for review