5.2 Using DB Cursor to Retrieve Documents

This section will guide you to:

* Retrieve documents from MongoDB database using cursor and a database object.

This guide has mainly four subsections, namely:

5.2.1 Creating a new NodeJS project

5.2.2 Installing express-handlebars

5.2.3 Creating **index.js** file

5.2.4 Pushing code to GitHub repositories

* *NodeJs and MongoDB are already installed in your lab. (Refer MEAN: Lab Guide - Phase 3)*

**Step 5.2.1:** Creating a new NodeJS project

* Make sure you have a database with the name **Simplilearn** and a collection with the name **peoples** created in MongoDB.
* Create a folder with the name **NodeMongo**
* Run the below command to install node dependencies to the project folder

**npm install**

**npm init**

**Step 5.2.2:** Installing express-handlebars

* Run the below command:

**npm install --save express express-handlebars mongoose body-parser nodemon**

**Step 5.2.3:** Creating **index.js** file

* Open Visual Studio Code
* In the root directory (NodeMongo), create **index.js** and add the code given below:

var MongoClient = require('mongodb').MongoClient;

var url = 'mongodb://localhost:27017/Simplilearn'; //Enter your db url

MongoClient.connect(url, function(err, client) {

const db = client.db();

var cursor = db.collection('peoples').find(); //enter your collection name

cursor.each(function(err, doc) {

console.log(doc);

});

});

* Run the project by executing below command:

**node index.js**

**Step 5.2.4:** Pushing the code to your GitHub repositories

Open your command prompt and navigate to the folder where you have created your files.

cd <folder path>

Initialize your repository using the following command:

git init

Add all the files to your git repository using the following command:

git add .

Commit the changes using the following command:

git commit . -m “Changes have been committed.”

Push the files to the folder you initially created using the following command:

git push -u origin master