

**LAB # 02**

**Database Management System**

**To: Mam Ayesha**

**From: Hadia Ramzan**

**CEP # 01**

**Web Technologies**

**To: Sir Naqash**

**From: Hadia Ramzan**

**Task Description**

This is a MEAN Stack Assignment. In this I have implemented CRUD Operations in a MEAN Stack Application from Scratch i-e; create, update, delete and read.

**Technologies Used**

I have used MongoDB, Express, Node.JS, and Angular 5 for application development.

**Challenges Faced**

The only challenge that I faced was to post request from postman to mongoDB.

**Methodology**

* Install Node.js
* Install npm
* Download and install mongoDB compass
* Download and install postman
* Initialize using npm (npm init)
* Install angular cli
* Install mongoose, express and body parser
* Create database
* Install nodemon
* Run the database and establish the connection
* Run index.js using nodemon
* Run the local server at port 3000
* Continue the coding by making model and controller classes
* Create an employee interface on client side
* Create an employee service
* Create employee list component
* Add other features on front end for CRUD operations.

**Github Link**

<https://github.com/hadiaramzan2199/Angular-CEP>