Practical – 9

AIM : Use any one ORM from Sequelize ORM, TypeORM and Prism ORM and implement following task.

Create Connection

Create Database

Create Table

Insert Record

Display Record

Association (any two)-> only for those who use Sequelize ORM

CODE :

config.js

```js
const mysql = require('mysql');
const {Sequelize, DataTypes}=require('sequelize');
require('dotenv').config();

const connection = mysql.createConnection({
  host: process.env.MYSQL_HOST,
  user: process.env.MYSQL_USER,
  password: process.env.MYSQL_PASSWORD,
  database: process.env.MYSQL_DATABASE,
  socketPath : process.env.SOCKET_PATH
});
connection.connect((err) => {
  if (err) throw err;
  console.log('Connected!');
});
module.exports = connection;

const sequelize = new Sequelize(
    'dbUniversity',
    'root',
    '',
    {
```

```javascript
        dialect: 'mysql',
        host: 'localhost',
    }
);


sequelize.query(`CREATE TABLE tblRegistration `);


// Define method takes two arguments
// 1st - name of table
// 2nd - columns inside the table
const User = sequelize.define('user', {

    // Column-1, user_id is an object with
    // properties like type, keys,
    // validation of column.
    user_id:{

        // Sequelize module has INTEGER Data_Type.
        type:Sequelize.INTEGER,

        // To increment user_id automatically.
        autoIncrement:true,

        // user_id can not be null.
        allowNull:false,

        // For uniquely identify user.
        primaryKey:true
    },

    // Column-2, name
    name: { type: Sequelize.STRING, allowNull:false },

    // Column-3, email
    email: { type: Sequelize.STRING, allowNull:false },

    // Column-4, default values for
    // dates => current time
    myDate: { type: Sequelize.DATE,
            defaultValue: Sequelize.NOW },

    // Timestamps
    createdAt: Sequelize.DATE,
    updatedAt: Sequelize.DATE,
})

// Exporting User, using this constant
// we can perform CRUD operations on
```

```javascript
// 'user' table.
module.exports = User



sequelize.authenticate()
.then(()=>{
    console.log("Connected successfully with Database")
})
.catch(err=>{
    console.log("Issue with DB"+err)
})

module.exports = sequelize;
```