

Assignment – 6

AIM : Write a nodejs/Mysql code to implement CRUD operation.

CODE :

config.js

```
require('dotenv').config();
const process = require('process');
const http = require('http');
const mysql = require('mysql');
const express = require('express');
const bodyParser = require('body-parser');
var createController=require('create-controller');
var router = express.Router();
var app = express();
//Configuring express server
app.use(bodyParser.json);

// Read the host address and the port from the environment
const hostname = process.env.HOST;
const port = process.env.PORT;

// Return JSON regardless of HTTP method or route our web app is reached by
const server = http.createServer((req, res) => {
  res.statusCode = 200;
  res.setHeader('Content-Type', 'application/json');
  res.end(`{"message": "Hello World"}`);
});

// Start a TCP server listening for connections on the given port and host
server.listen(port, hostname, () => {
  console.log(`Server running at http://${hostname}:${port}/`);
});

DB_HOST=process.env.HOST
DB_PORT=3306
DB_PASSWORD=""
DB_MAX_CONNECTIONS=15
CACHE_ADDR=process.env.HOST
CACHE_PORT= 6379
HOST=process.env.HOST
```

```
PORT=3000

// to display form
router.get('/form', createController.crudForm );
// to create data
router.post('/create', createController.createData);
module.exports = router;

var db=require('../database');
module.exports={
  readData:function(callback){
    var createDB=`CREATE DATABASE db`;
    db.query(createDB,function(err,data,fields) {
      if (err) throw err;
      return callback(data);
    });
    var create=`CREATE TABLE crud(name VARCHAR(10),number FLOAT(10,0))`;
    db.query(create,function(err,data,fields) {
      if (err) throw err;
      return callback(data);
    });

    var insert=`INSERT TABLE crud VALUES('MANAN',1)`;
    db.query(insert,function(err,data,fields) {
      if (err) throw err;
      return callback(data);
    });
    var sql='SELECT * FROM crud';
    db.query(sql, function (err, data, fields) {
      if (err) throw err;
      return callback(data);
    });
  }
}
```

.env.txt

HOST=localhost

PORT=3000