1. **NODEJS Program to display "hello world"**

const http = require("http")

http.createServer( ( request, response)=>{

    response.writeHead( 200,{

        'Content-Type': 'text/Plain'

    });

    response.end("HELLO WORLD");

}).listen(3000);

console.log("Server runnig on localhost:3000");

1. **NODEJS program to perform the following FILE I/O operations**

**i) write ii) read iii) append**

const fs = require("fs")

// Reading from file

const readMe =fs.readFileSync('text.txt','utf-8');

console.log("Reading Files");

console.log(readMe);

// Writing

const content = "This Program is read and write file"

fs.writeFile('text.txt',content,(err)=>{

    if(err)

        console.log(err);

    else{

        console.log("\n\n File written successfully \n");

        console.log(fs.readFileSync('text.txt','utf-8'));

    }

});

console.log(`After append result ${readMe}`);

// Append File

fs.appendFile("text.txt","\n Append word",(err)=>{

    if(err)

        throw(err)

    else{

        console.log("\n The Content of files is");

        console.log(fs.readFileSync('text.txt','utf-8'));

    }

})

1. **Write a NODEJS program to perform - File Uploading**

const http = require("http")

// npm i formidable

const formidable = require("formidable")

http.createServer((req,res)=>{

    if(req.url == '/fileupload'){

        const form = new formidable.IncomingForm();

        form.parse(req,(err,fields,files)=>{

            res.write("File Uploaded")

            res.end();

        })

    }else{

        res.writeHead(200,{

            'Content-type' : 'text/html'

        });

        res.write('<form action="fileupload" method="post">')

        res.write('<input type="file" name="fileupload">')

        res.write("<br>")

        res.write("<input type='submit'>")

        res.write("</form>")

        return res.end()

    }

}).listen(3000)

console.log("Server is ruuning server on localhost:3000");

1. **NODEJS database crud operation(connection, database,table, inserting records,update, delete).**

const mysql = require("mysql2")

const dbConnection = mysql.createConnection({

    host:"localhost",

    user:"root",

    password:""

})

// CREATING THE CONNECTION

dbConnection.connect( (err) =>{

    if(err)

        throw err;

    console.log("Connected");

})

// CREATING DATA BASE

const sqlDatabase = "CREATE DATABASE IF NOT EXISTS db56 "

dbConnection.query(sqlDatabase,(err,result)=>{

    if(err)

        throw err

    console.log("\n Data Base Created");

})

// CREATING TABLE

const sqlTable = "CREATE TABLE IF NOT EXISTS db56.cust "+

                "(cname varchar(25),c\_add varchar(50))"

dbConnection.query(sqlTable,(err,result)=>{

    if(err)

        throw err

    console.log("\n Created data Base");

})

// INSERING RECORD

const sqlInsert = "INSERT INTO db56.cust VALUES"+

                  "('cust','Manglore')"

dbConnection.query(sqlInsert,(err,result)=>{

    if(err)

        throw err

    console.log("Data Inserted Sucessfully");

})

// RETRIVING THE DATA FROM TABLE

const sqlDisplay = "SELECT \* FROM db56.cust"

dbConnection.query(sqlDisplay,(err,result) =>{

    if(err)

        throw err

    console.log(result);

})

// DELETING DATA

const sqlDelete = "DELETE FROM db56.cust WHERE cname='cust'";

dbConnection.query(sqlDelete,(err,result)=>{

    if(err)

        throw err

    console.log("Successfully deleted "+result.affectedRows+" rows");

})

// MULTIPLE VALUES

const sqlMultiInsert = "INSERT INTO db56.cust VALUES ?"

const values =[

    ['cust1','Manglore'],

    ['cust2','Banglore'],

    ['cust3','Mumbai']

]

dbConnection.query(sqlMultiInsert,[values],(err,result)=>{

    if(err)

        throw err

    console.log("Number record result is"+result.affectedRows);

})

// UPDATE

const sqlUpdate = "UPDATE db56.cust SET cname='cust33'"+

                  "WHERE c\_add='Mumbai'"

dbConnection.query(sqlUpdate,(err,result)=>{

    if(err)

        throw err

    console.log("Updated number rows ="+result.affectedRows);

})

1. **NODEJS user modules ( object, literal and object properties )**

const http = require('http');

const myModule = require("./nodeModule")

http.createServer( (req,res)=>{

    res.writeHead(200,{

        'Content-Type' : 'text/html'

    })

    res.write("The text is "+myModule.myModule())

    res.end()

}).listen(3000)

**nodeModule.js**

module.exports.myModule = () =>{

    return Date()

}