Node js

A platform which allows us to run Javascript ona computer/server

It helps in read ,update and delete files and easily we can communicate with a database

Why is it so popular?

It uses js

Very fast(runs on v8 engine &uses non-blocking code)

It is great for real time services like chats using web sockets

V8 Engine:

Computer doesn’t understand javascript

This javascript engine converts it in to machinecode

Global objects:

Which can be used anywhere in nodejs like console,setTimeout,setInterval,

Function Expression:

Assigning function to a variable.

Var a= function(){

Console.log(“hi”);

}

a();

Writing and reading file in node js:

It happens with ‘fs ‘ module which is inbuilt.

*var* fs=require('fs');

//synchronous it goes step by step

*var* read=fs.readFileSync('read.txt','utf-8');

console.log(read)

fs.writeFileSync('write.txt',read)

//asynchronous

fs.readFile('read.txt','utf-8',*function*(*err*,*data*){

    fs.writeFile('writesec.txt',*data*,*function*(*err*, *result*) {

        if(*err*) console.log('error', *err*);

      })

})

To remove file:

fs.unlink('write.txt',(*err*,*result*)*=>*{

    if(*err*)

    console.log(*err*)

})

To create a directory i.e, folder:

//synchronous

fs.mkdirSync('read')

//Asynchronous

fs.mkdir('data',()*=>*{

    fs.readFile('read.txt','utf8',(*err*,*data*)*=>*{

        fs.writeFile('./data/write.txt',*data*,(*err*,*data*)*=>*{

            if(*err*)

            console.log(*err*)

        })

    })

})

To remove a directory:

fs.rmdirSync('read')