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Node\_Assignment 1

1.

->

var http=require('http');

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

res.writeHead(200,{'Content-Type': 'text/plain'});

res.end("Success") ;

});

server.listen(3000,'127.0.0.1');

console.log("server is listening on port 3000");

2.

->

var fs=require('fs');

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

console.log(data);

})

3.

->

const path = require('path');

const fs = require('fs');

const directoryPath = path.join(\_\_dirname, '.');

fs.readdir(directoryPath, function (err, files) {

if (err) {

return console.log('Unable to scan directory: ' + err);

}

files.forEach(function (file) {

console.log(file);

});

});

4.

->

var fs=require('fs');

fs.writeFile('demo.txt','hey ho! lets go',function(){

console.log('hey ho! lets go written in > demo.txt');

});

5.

->

var fs=require('fs');

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

var data1 = data.split(" ");

data1.sort();

console.log(data1);

var current = '';

var cnt = 0;

for (var i = 0; i < data1.length; i++) {

if (data1[i] != current) {

if (cnt > 0) {

console.log(current + ' comes --> ' + cnt + ' times');

}

current = data1[i];

cnt = 1;

} else {

cnt++;

}

}

if (cnt > 0) {

console.log(current + ' comes --> ' + cnt + ' times');

}

});

6.

->

Phase 1:

App.js ------>

var demo=require('./demo');

console.log(demo.sumOfNum(3,7));

console.log(demo.mulOfNum(3,7));

calculator.js ------->

module.exports.sumOfNum=(a,b)=> `Sum of 2 no.: ${a+b}`;

module.exports.mulOfNum=(a,b)=> `Multiplication 2 no.: ${a\*b}`;

Phase 2:

App.js --------->

var sum=require('./operations/sum');

var mul=require('./operations/mul');

var sub=require('./operations/sub');

var div=require('./operations/div');

console.log(sum.sumOfNum(3,7));

console.log(mul.mulOfNum(3,7));

console.log(sub.subOfNum(3,7));

console.log(div.divOfNum(3,7));

sum.js ---------->

module.exports.sumOfNum=(a,b)=> `Sum of 2 no.: ${a+b}`;

mul.js ---------->

module.exports.mulOfNum=(a,b)=> `Multiplication 2 no.: ${a\*b}`;

sub.js ---------->

module.exports.subOfNum=(a,b)=> `subtraction 2 no.: ${a-b}`;

div.js ---------->

module.exports.divOfNum=(a,b)=> `Division 2 no.: ${a/b}`;

Phase 3:

var http=require('http');

var moment=require('moment');

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

res.writeHead(200,{'Content-Type': 'text/plain'});

// 2020-05-08T22:57:42+05:30

// console.log(moment().format());

// May 8th 2020, 10:56:31 pm

console.log(moment().format('dddd MMMM Do YYYY, h:mm:ss a'));

res.end("Success") ;

});

server.listen(3000,'127.0.0.1');

console.log("server is listening on port 3000");

7.

->

var http=require('http');

var moment=require('moment');

var strftime = require('strftime')

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

res.writeHead(200,{'Content-Type': 'text/plain'});

var strftime = require('strftime');

console.log(strftime('%B %d, %Y %H:%M:%S'))

console.log(strftime('%F %T', new Date(1307472705067)))

});

server.listen(3000,'127.0.0.1');

console.log("server is listening on port 3000");

8.

->

var http=require('http');

var moment=require('moment');

var strftime = require('strftime')

var fs = require('fs');

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

res.writeHead(200,{'Content-Type': 'text/plain'});

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

var data1 = data.split(" ");

var sum = parseInt(data1[0])+parseInt( data1[1]);

console.log(sum);

res.end("succes");

});

});

server.listen(3000,'127.0.0.1');

console.log("server is listening on port 3000");

9.

->

var http=require('http');

var moment=require('moment');

var strftime = require('strftime')

var fs = require('fs');

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

res.writeHead(200,{'Content-Type': 'text/plain'});

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

var arr = data.split(" ");

console.log(arr);

})

res.end("sucess");

});

server.listen(3000,'127.0.0.1');

console.log("server is listening on port 3000");

10.

->

var http=require('http');

var moment=require('moment');

var strftime = require('strftime')

var fs = require('fs');

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

res.writeHead(200,{'Content-Type': 'text/plain'});

var a = process.argv[2];

fs.writeFileSync ('demo.txt',a);

res.end('sum');

});

server.listen(3000,'127.0.0.1');

console.log("server is listening on port 3000");

11.

->

var http=require('http');

var moment=require('moment');

var strftime = require('strftime')

var fs = require('fs');

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

res.writeHead(200,{'Content-Type': 'text/plain'});

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

console.log(data);

})

res.end('sum');

});

server.listen(3000,'127.0.0.1');

console.log("server is listening on port 3000");

12.

->

var http=require('http');

var moment=require('moment');

var strftime = require('strftime')

var fs = require('fs');

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

res.writeHead(200,{'Content-Type': 'text/plain'});

var date = new Date();

console.log(date);

res.end("sucess");

});

server.listen(3000,'127.0.0.1');

console.log("server is listening on port 3000");

13.

->

var http=require('http');

var moment=require('moment');

var strftime = require('strftime')

var fs = require('fs');

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

res.writeHead(200,{'Content-Type': 'text/plain'});

var name = process.argv[2];

console.log("hello : " + name);

res.end("sucess");

});

server.listen(3000,'127.0.0.1');

console.log("server is listening on port 3000");