

nodejs:

nodejs is not a programming language

nodejs is not a frame work

Node.js is an open source server environment.

Node.js allows you to run JavaScript on the server.

What Can Node.js Do?

- Node.js can generate dynamic page content
- Node.js can create, open, read, write, delete, and close files on the server
- Node.js can collect form data
- Node.js can add, delete, modify data in your database

what is a node.js File?

- Node.js files contain tasks that will be executed on certain events
- A typical event is someone trying to access a port on the server
- Node.js files must be initiated on the server before having any effect
- Node.js files have extension ".js"

Features of node js:

nodejs is an developing highly scalable,Data intensive and real time apps

Special Features of node js:

=>node is easy to get started

=>It is superfast &hghly scalable services

=>large ecosystem of open source lib

=>javascript Everywhere

Thinking to work on

1.HTTP module

2.Filesystem module

3.URL module

4.Nodejs NPM

5.Nodejs email

HTTP Module

example:

```
var http =require('http');

http.createServer((req,res)=>{
  res.write('Hello world');
  res.end();
  console.log('server running')
}).listen(8080)
```

output:

on server localhost:8080 it displays
Hello world

ex:2 by using req

```
var http =require('http');

http.createServer((req,res)=>{
  res.write(req.url);
  res.end();
  console.log('server running')
}).listen(8080)
```

output

on server localhost:8080/myself it displays
/myself

Flesystem module

```
var http =require('http');
var fs=require('fs')

http.createServer((req,res)=>{
  fs.readFile('test.txt',(err,data)=>{
    res.write(data);
    res.end();
  })
}).listen(8080)
```

text.txt

hello everyone

output

localhost:8080 it displays
hello everyone

WE HAVE TO ADD CONTENT TO THE EXISTING FILES

```
var http =require('http');
var fs=require('fs')

http.createServer((req,res)=>{
  fs.appendFile('test.txt','Thank you',(err,data)=>{
    res.write(data);
    res.end();
  })
}).listen(8080)
```

Output

hello everyoneThank you

```
var http =require('http');
var fs=require('fs')

http.createServer((req,res)=>{
  fs.writeFile('test.txt','nodejs',(err,data)=>{
    res.write(data);
    res.end();
  })
}).listen(8080)
```

test.txt
nodejs

Delete the file

```
var http =require('http');
var fs=require('fs')

http.createServer((req,res)=>{
  fs.unlink('test.txt',(err)=>{
    res.write(data);
    res.end();
  })
}).listen(8080)
```

if error

```
var http =require('http');
```

```
var fs=require('fs')
```

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

```
fs.unlink('test.txt',(err)=>{
```

```
if(err) throw err;
```

```
console.log("file deleted")
```

```
})
```

```
}).listen(8080)
```