

Coach: Arif, DCI

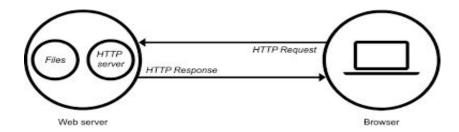
Module: Backend

### What is Server?



- A machine with many hdds/storages
- Always live or active

## What is server side code?



```
const http = require('http')

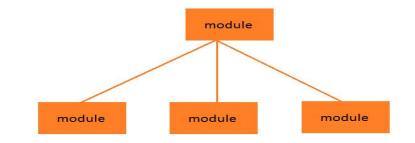
const hostname = '127.0.0.1'
const port = 3000;

const server = http.createServer((req, res) =>
   res.statusCode = 200;
   res.setHeader('Content-Type', 'text/plain')
   res.end('Hello World');
});

server.listen(port, hostname, () =>
   console.log(`Server running a
http://${hostname}:${port}/`)
```

## What is module?

Background question:
What reactjs component can do?
Why we call it component?



- Reuse same code
- File sharing
- More structural

#### Types:

Build-in:

Http, fs, path, url etc.

3rd-party:

Cors, multer, passport

Custom:

Your code

```
logger.js
                                                                         app.js
                                                         const {
const error = 'ERROR';
const warning = 'WARNING';
                                                              log,
const info = 'INFO';
                                                             error,
                                                             warning
function log(message, level = info) {
                                                            = require('./logger');
   console.log(`${level}: ${message}`);
                                                         log('Node.js module demo 1');
module.exports.log = log;
                                                         log('Node.js module demo 2', warning);
module.exports.error = error;
module.exports.info = info;
module.exports.warning = warning;
```

## What is framework?

- Complete backend web server skeleton
- Like a library/set of code but can scale, maintain and extend your apps
- Make life easier



# Why Expressjs?

Who are using expressis?

No best way to do, Light-weight, Faster, Easy



## Resources:

- 1. Nodejs official
- 2. Expressis
- 3. Module in nodejs
- 4. Tutorial for basic: w3School