

# NODE JS

# LECTURE 2

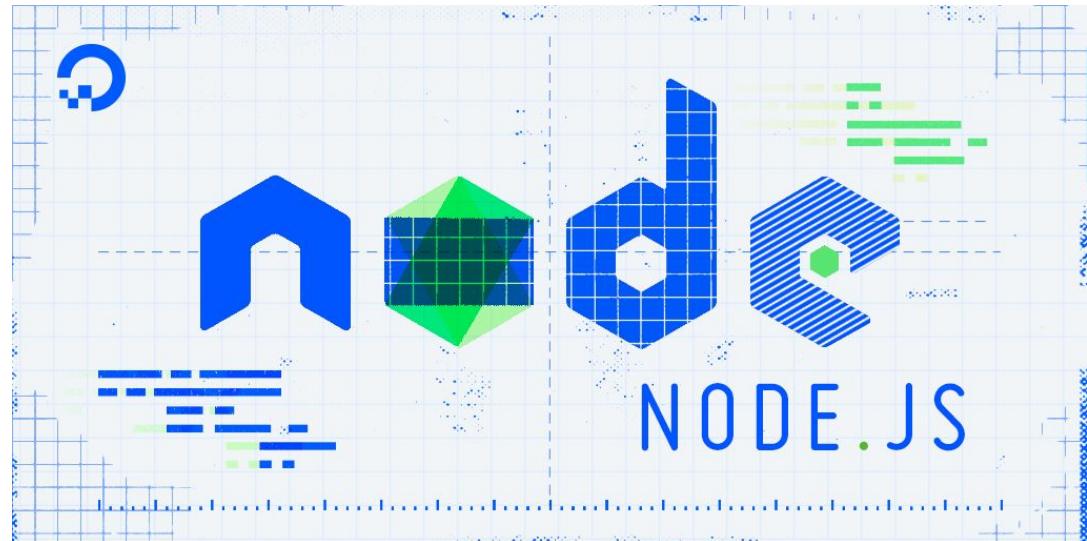
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# AGENDA

- custom modules
- NPM(node modules , package.json)
- HTTP Request & Response
- Express
- What is Restful api
- How to serve static files
- Node js debugging

# CUSTOM MODULES

- How it works
- 5 Global Variables(`require` , `module` , `__dirname` ,  
`__filename` , `exports`)
- Native Modules
- Caching



# NPM

Every Node application has a package.json file that includes metadata about the application. This includes the name of the application, its version, dependencies,etc.

We use NPM to download and install 3rd-party packages from NPM registry.

- All the installed packages and their dependencies are stored under node\_modules folders.

```
// Install a package  
npm i <packageName>
```

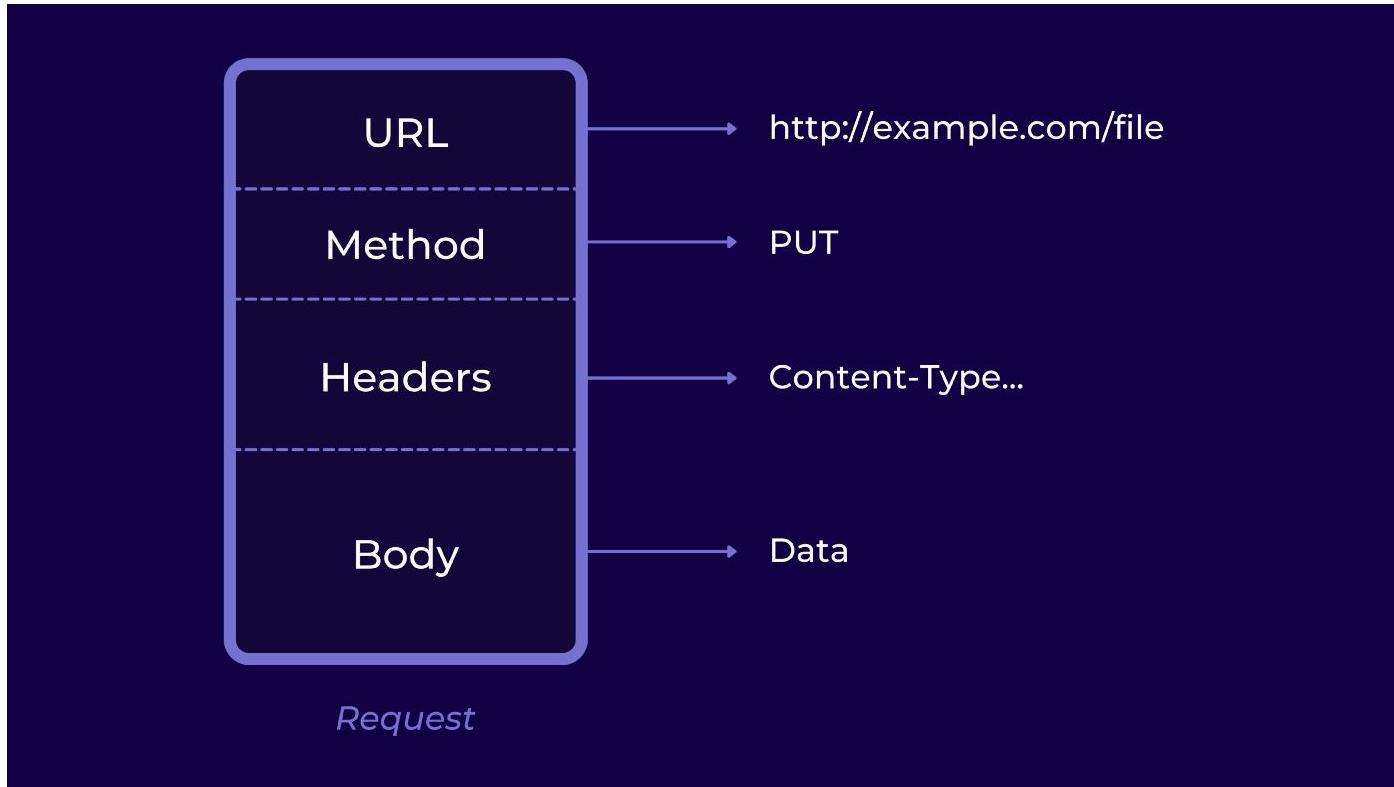
```
// Install a specific version of a package  
npm i <packageName>@<version>
```

```
// Install a package as a development dependency  
npm i <packageName> --save-dev
```

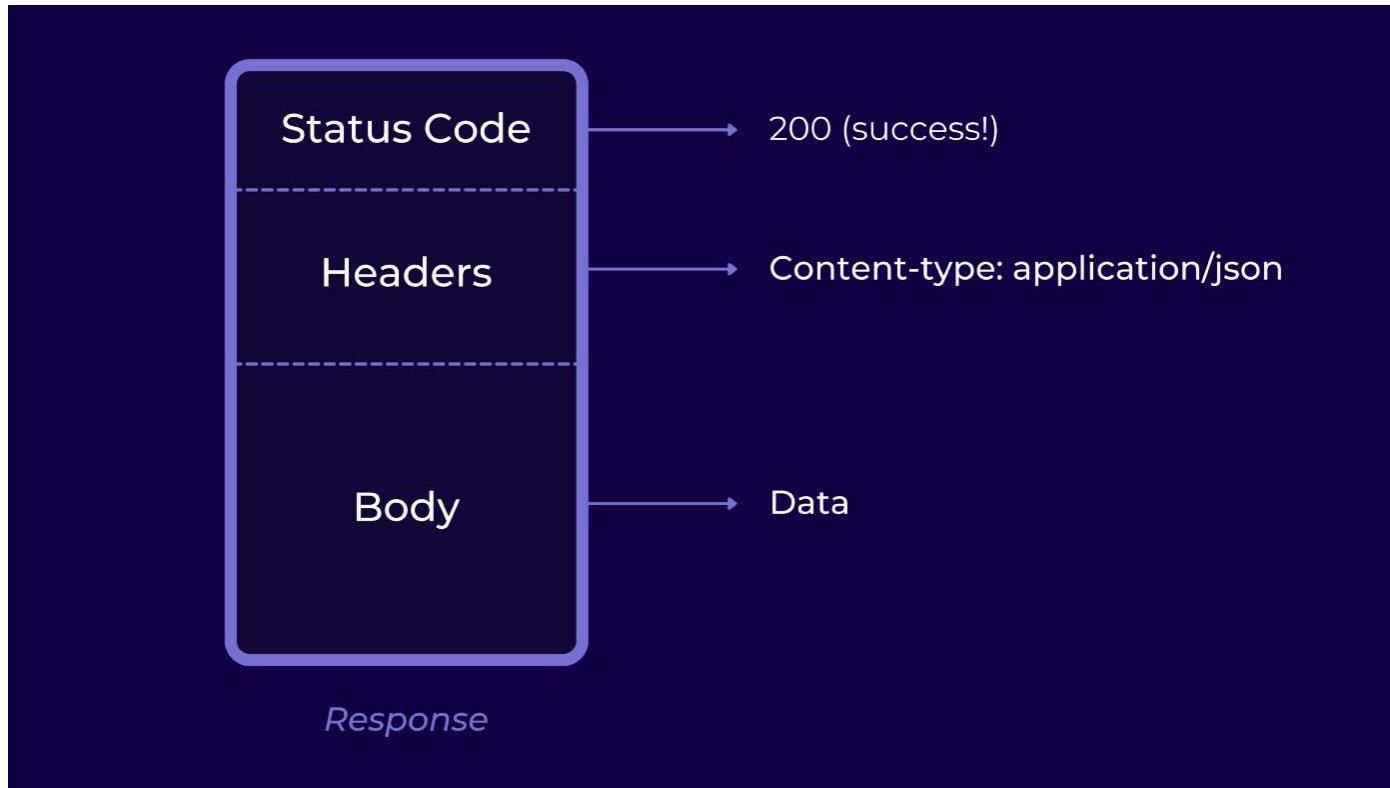
```
// Uninstall a package  
npm uninstall <packageName>
```

Npm install

# HTTP REQUEST



# HTTP RESPONSE



# EXPRESS JS

Express is a minimal and flexible Node.js web application framework that provides a robust set of features to develop web and mobile applications. It facilitates the rapid development of Node based Web applications. Following are some of the core features of Express framework -

- Allows to set up middlewares to respond to HTTP Requests.
- Defines a routing table which is used to perform different actions based on HTTP Method and URL.
- Allows to dynamically render HTML Pages based on passing arguments to templates

```
// Install a package  
npm i express
```

# RESTFUL API

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## Posts

**GET**

/posts/ Get Posts



**POST**

/posts/ Create Posts

**GET**

/posts/{id} Get Post

**PUT**

/posts/{id} Update Post

**DELETE**

/posts/{id} Delete Post

THANK YOU