

FIRST WEB DOWNLOAD.JS

→ How to download from web using node module.

→ First experience with downloading data from web

There are many libraries to download the data from web.

→ CLI → axios library

```
JS FirstWebDownload.js U X
Lecture 25 > JS FirstWebDownload.js > ...
1 // npm install axios
2 // node FirstWebDownload.js --url="https://www.tutorialspoint.com/index.htm" --dest="download.html"
3
4 let minimist = require("minimist");
5 let axios = require("axios");
6 let fs = require("fs");
7
8 let args = minimist(process.argv);
9 console.log(args.url);
10 console.log(args.dest);
11
```

axios is a promise based library used with Node.js and your browser to make asynchronous Javascript HTTP requests. Making HTTP requests to fetch or save data is one of the most common task a client side Javascript application will need to do.

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

→ Lecture 25 git:(main) x node FirstWebDownload.js --url="https://www.tutorialspoint.com/index.htm" --dest="download.html"

https://www.tutorialspoint.com/index.htm
download.html

→ Lecture 25 git:(main) x

```
// node FirstWebDownload.js --url="https://www.tutorialspoint.com/index.htm" --dest="download.html"
```

from which we want to download the data

In which file we want to store the downloaded data

```
JS FirstWebDownload.js U X
Lecture 25 > JS FirstWebDownload.js > dwndPromise.then() callback
1 // npm install axios
2 // node FirstWebDownload.js --url="https://www.tutorialspoint.com/index.htm" --dest="download.html"
3
4 let minimist = require("minimist");
5 let axios = require("axios");
6 let fs = require("fs");
7
8 let args = minimist(process.argv);
9
10 let dwndPromise = axios.get(args.url); // I axios hereby promise that I will download from URL
11
12 dwndPromise.then(function(response) {
13   let html = response.data;
14   console.log(html);
15 })
16
```

→ get data from URL

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

```
<li><a href="/about/contact_us.htm"><i class="fa fa-user"></i> Con
tact</a></li>
</ul>
</div>
</div>
</div>
<!-- Global site tag (gtag.js) - Google Analytics -->
<script type="text/javascript" src="/themes/home/mui-combined.min.js"></script>
<script type="text/javascript" src="/themes/home/jquery.min.js"></script>
<script type="text/javascript" src="/themes/home/fontawesome-home-min.js?v=1.223"></script>
<script type="text/javascript" src="/themes/js/home.js?v=4"></script>
```

data saved in download.html

```
JS FirstWebDownload.js U X
Lecture 25 > JS FirstWebDownload.js > ...
1 // npm install axios
2 // node FirstWebDownload.js --url="https://www.tutorialspoint.com/index.ht
3
4 let minimist = require("minimist");
5 let axios = require("axios");
6 let fs = require("fs");
7
8 let args = minimist(process.argv);
9
10 let dwnldPromise = axios.get(args.url); // I axios hereby promise
11 //that I will download from URL
12
13 dwnldPromise.then(function(response){
14   let html = response.data;
15   fs.writeFileSync(args.dest, html, "utf-8");
16 })
17
```

→ when promise is fulfilled then give response to function
→ text form

```
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
→ Lecture 25 git:(main) x node FirstWebDownload.js --url="https://www.tutorialspoint.com/index.htm" --des
t="download.html"
→ Lecture 25 git:(main) x
```

```
<> download.html U X
Lecture 25 > <> download.html > ...
1 <!DOCTYPE html>
2 <html lang="en-US">
3 <head>
4 <title>Biggest Onl
5 <meta charset="utf
6 <meta http-equiv="
7 <meta name="viewpo
8 <meta name="Descri
9 <meta name="Keywor
10 <link rel="canonic
11 <link rel="stylesh
12 </head>
13 <body>
14 <!-- top banner co
15 <div class="tp-sea
16 <div class="mu
17 <div class="mu
```

```
JS FirstWebDownload.js U X
Lecture 25 > JS FirstWebDownload.js > ...
1 // npm install axios
2 // node FirstWebDownload.js --url="https://www.espncriinfo.com/
3
4 let minimist = require("minimist");
5 let axios = require("axios");
6 let fs = require("fs");
7
8 let args = minimist(process.argv);
9
10 let dwnldPromise = axios.get(args.url); // I axios hereby promi
11 //that I will download
12
13 dwnldPromise.then(function(response){
14   let html = response.data;
15   fs.writeFileSync(args.dest, html, "utf-8");
16 })
17
```

→ object

```
PROBLEMS 12 OUTPUT TERMINAL DEBUG CONSOLE
→ Lecture 25 git:(main) x node FirstWebDownload.js --url="https://www.espncriinfo.com/series/icc-cricket
-world-cup-2019-1144415/match-results" --dest="download.html"
→ Lecture 25 git:(main) x
```

```
<> download.html 9+, U >
Lecture 25 > <> download.html > ...
1 <!DOCTYPE html><html
lang="en"><head><link
rel="preload" href="https:
/wassets.hscicdn.com/
static/fonts/EspnIcon/
ESPNIcons.woff2" as="font"
type="font/woff2"
crossorigin="anonymous"/
><link rel="preload"
href="https://wassets.
hscicdn.com/static/fonts/
BentonSans/BentonSans-Bold
BentonSans-Bold.woff"
as="font" type="font/woff"
crossorigin="anonymous"/
><link rel="preload"
href="https://wassets
```

The data about match from the site of cricinfo is fetched.