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```
const http = require('http');
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, () => {
  console.log('Server running at PORT:S{port}/');
});
```

In peed to use of HTTP library by Dodens has an HTTP library by Defallt.

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

const req = http.request('http://example.com', res => {
    const data = [];

    res.on('data', => data.push(_))
    res.on('end', () => console.log(data.join()))
});

req.end();
```

2 Fotch ART 25 Still considered experimental 50/50 Opt for poly fill/wapper

```
async function fetch_demo()
{
   const resp = await fetch('https://www.reddit.com/r/programming.json');

   console.log(await resp.json());
}
fetch_demo();
```

h) accepts additional options argument
30 Arcios
4 Similar to fetch
4 Similar to Jetch
4 Similar to Jeth
4 Sim

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npm install axios

```
const axios = require('axios')

axios
    .get('https://www.reddit.com/r/programming.json')
    .then((response) => {
        console.log(response)
    })
    .catch((error) => {
        console.error(error)
    });
```

40 superAgen 1 Linas a fairly straightforward APL Like Axios but has more dependencies

```
const superagent = require("superagent")
const forumURL = "https://www.reddit.com/r/programming.json"

// callbacks
superagent
    .get(forumURL)
    .end((error, response) => {
        console.log(response)
    })

// promises
superagent
    .get(forumURL)
    .then((response) => {
        console.log(response)
    })
    .catch((error) => {
        console.error(error)
    })

// promises with sepectable
async function getForum() {
    try {
        const response = await superagent.get(forumURL)
        console.log(response)
    } catch (error) {
        console.error(error)
    }
}
```

Benefit extensibility) list of plugins
allows for tweaking
of a reguest or response
ex. Superagent that le plugin wall allow you
ex. of define that light of your request

50 Request

```
const request = require('request')
request('https://www.reddit.com/r/programming.json', function (
  error,
  response,
  body
) {
  console.error('error:', error)
  console.log('body:', body)
})
```

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Google Map API ideas

- Add your own map markers
- Convert coordinates to an address
- Add click events to the map
- show place details
- add data layers

Web scraping

- Use axios call the js file "scraperapi.js"

```
const axios = require('axios');
const url = 'https://www.turmerry.com/collections/organic-cotton-sheet-sets/prod
axios(url)
    .then(response => {
        const html = response.data;
        console.log(html);
}
.catch(console.error);
```

After running scraper using "node scraperapi.js" in the terminal, it will pull a long unreadable string of HTML

```
s, line, total price selector", "asp, cart, tree, key':", "term, left", "plan, reard, spin, aspectable, price selector", "aspectable, the price selector", "total, "sought, charge firstall," one me price glically index on styles (["in" 4400, created at" "200-06-06-12115-515.522", "text color", "for t_size";", "fort, fastly";", "suggis";", "suggis";", "background color";", "border color";", "border publics,";", "border publics,";", "suggis";", "background color";", "border color";", "border publics,";", "border publics,";", "suggis";", "suggis";", "background color";", "border color";", "border publics,";", "border publics,";", "background color";", "border publics,";", "background;", "background color";", "border publics,";", "background;", "
```

nexf step is to identify the elements we want to extract from the HTML

- --use browser dev tools
- -open the inspector tool oof the website where you will see a corresponding line of code where you want get the element class

Parse the HTML using cherio

```
const axios = require('axios');
const cheerio = require('cheerio')
const url = 'https://www.turmerry.com/collections/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-sets/productions/organic-cotton-sheet-set
```

After running your program, it will print the content tagged as .sale-price to the console:

```
}
PS C:\Users\D N L\Desktop\firstscraper> node scraperapi.js
$99.00
PS C:\Users\D N L\Desktop\firstscraper> [
```

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