

## Day 3 - Activity

### Task 1 :

For the given JSON iterate over all for loops (for, for in, for of, forEach)

Let us consider the following json values:

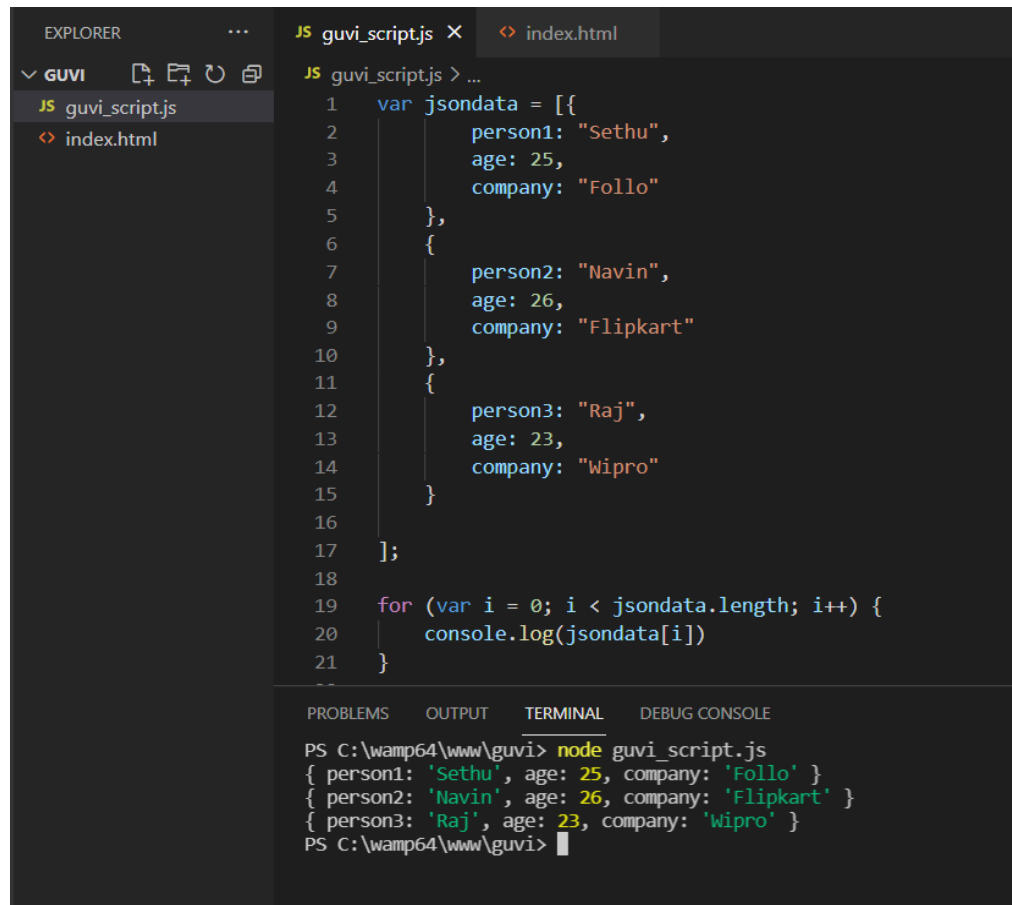
```
var jsondata = [  
  {  
    person: "Sethu",  
    age: 25,  
    company: "Follo"  
  },  
  {  
    person: "Navin",  
    age: 26,  
    company: "Flipkart"  
  },  
  {  
    person: "Raj",  
    age: 23,  
    company: "Wipro"  
  }  
];
```

## Day 3 - Activity

Output:

For Loop:

Vs Code screenshot



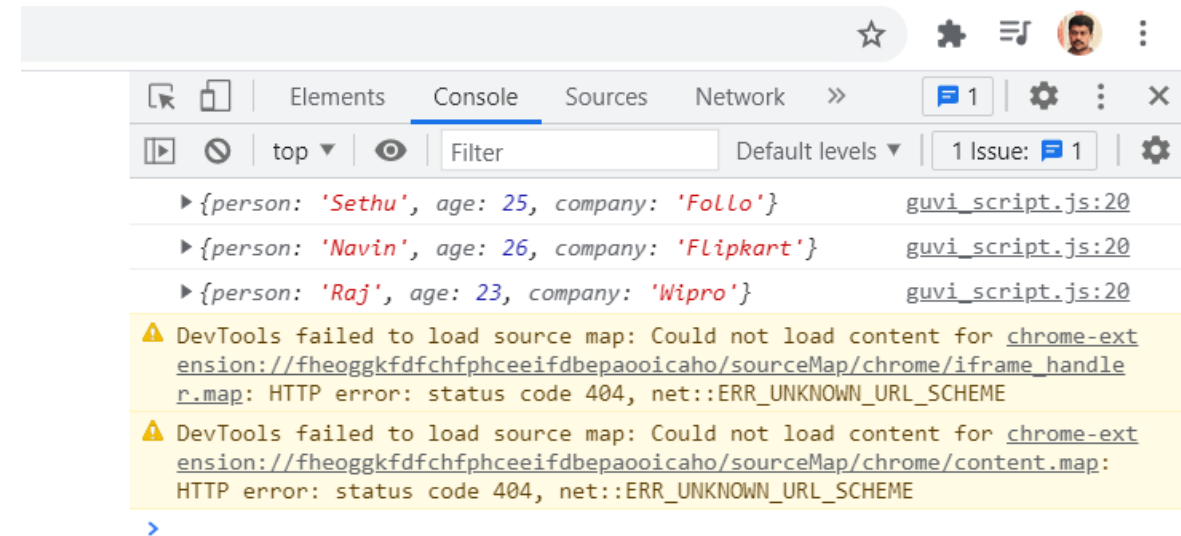
The screenshot shows the VS Code editor with a file named `guvi_script.js` open. The code defines an array `jsondata` containing three objects representing people. A `for` loop iterates over this array and logs each object to the console. The terminal output shows the execution of the script, displaying the three objects in the console.

```
1 var jsondata = [{
2     person1: "Sethu",
3     age: 25,
4     company: "Follo"
5 },
6 {
7     person2: "Navin",
8     age: 26,
9     company: "Flipkart"
10 },
11 {
12     person3: "Raj",
13     age: 23,
14     company: "wipro"
15 }
16 ];
17
18
19 for (var i = 0; i < jsondata.length; i++) {
20     console.log(jsondata[i])
21 }
```

Terminal Output:

```
PS C:\wamp64\www\guvi> node guvi_script.js
{ person1: 'Sethu', age: 25, company: 'Follo' }
{ person2: 'Navin', age: 26, company: 'Flipkart' }
{ person3: 'Raj', age: 23, company: 'wipro' }
PS C:\wamp64\www\guvi>
```

Console output



The screenshot shows the Chrome DevTools Console with the output of the JavaScript script. The output consists of three objects, each representing a person, displayed on separate lines. The objects are: `{person: 'Sethu', age: 25, company: 'Follo'}`, `{person: 'Navin', age: 26, company: 'Flipkart'}`, and `{person: 'Raj', age: 23, company: 'Wipro'}`. Below the output, there are two error messages indicating that DevTools failed to load source maps for the `chrome-extension://fheoggkfdfchfphceeiadbepaooicaho/sourceMap/chrome/iframe_handle_r.map` and `chrome-extension://fheoggkfdfchfphceeiadbepaooicaho/sourceMap/chrome/content.map` files, both with HTTP error status code 404.

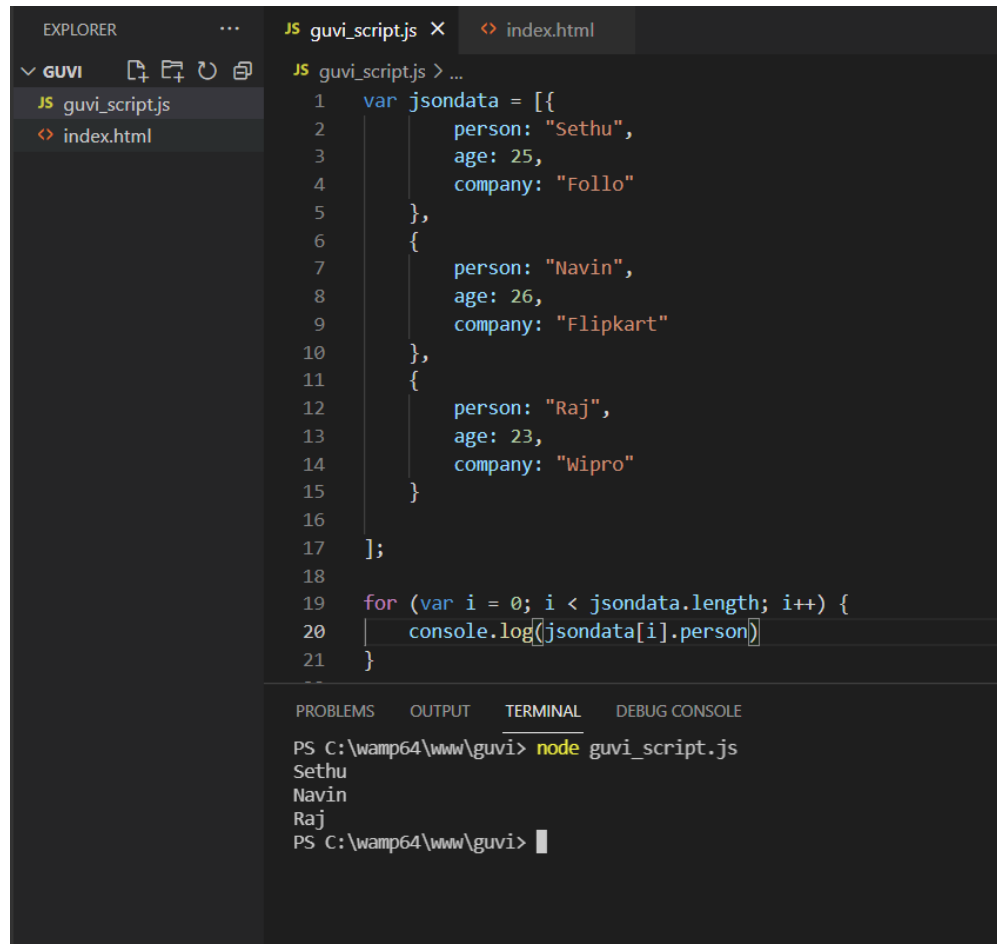
```
> {person: 'Sethu', age: 25, company: 'Follo'} guvi_script.js:20
> {person: 'Navin', age: 26, company: 'Flipkart'} guvi_script.js:20
> {person: 'Raj', age: 23, company: 'Wipro'} guvi_script.js:20
⚠ DevTools failed to load source map: Could not load content for chrome-extension://fheoggkfdfchfphceeiadbepaooicaho/sourceMap/chrome/iframe_handle_r.map: HTTP error: status code 404, net::ERR_UNKNOWN_URL_SCHEME
⚠ DevTools failed to load source map: Could not load content for chrome-extension://fheoggkfdfchfphceeiadbepaooicaho/sourceMap/chrome/content.map: HTTP error: status code 404, net::ERR_UNKNOWN_URL_SCHEME
```

## Day 3 - Activity

Output:

For Loop: (Printing only person name)

Vs Code screenshot



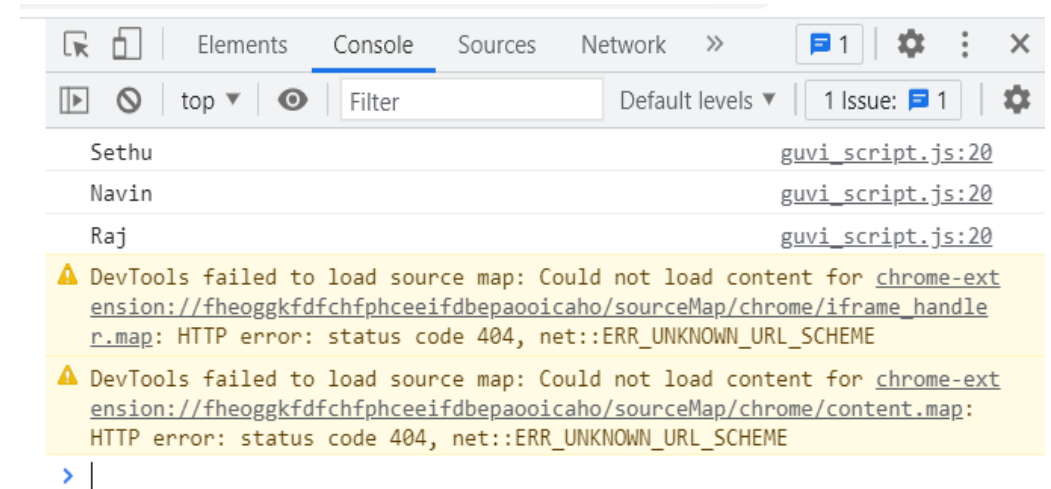
The screenshot shows the VS Code editor with a file named `guvi_script.js` open. The code defines an array of objects, each representing a person with their name, age, and company. A for loop iterates over this array and logs the name of each person to the console.

```
1 var jsondata = [{
2     person: "Sethu",
3     age: 25,
4     company: "Follo"
5 },
6 {
7     person: "Navin",
8     age: 26,
9     company: "Flipkart"
10 },
11 {
12     person: "Raj",
13     age: 23,
14     company: "Wipro"
15 }
16 ];
17
18
19 for (var i = 0; i < jsondata.length; i++) {
20     console.log(jsondata[i].person)
21 }
```

The terminal at the bottom shows the command `node guvi_script.js` being executed, resulting in the output:

```
PS C:\wamp64\www\guvi> node guvi_script.js
Sethu
Navin
Raj
PS C:\wamp64\www\guvi>
```

Console output



The screenshot shows the Chrome DevTools Console with the 'Console' tab selected. It displays the output of the JavaScript code, which is the names of the three people: Sethu, Navin, and Raj. Below the output, there are two error messages indicating that DevTools failed to load source maps for the Chrome extension.

```
Sethu guvi_script.js:20
Navin guvi_script.js:20
Raj guvi_script.js:20
```

DevTools failed to load source map: Could not load content for [chrome-extension://fheoggkfdfchfphceeifdbepaooicaho/sourceMap/chrome/iframe\\_handle\\_r.map](chrome-extension://fheoggkfdfchfphceeifdbepaooicaho/sourceMap/chrome/iframe_handle_r.map): HTTP error: status code 404, net::ERR\_UNKNOWN\_URL\_SCHEME

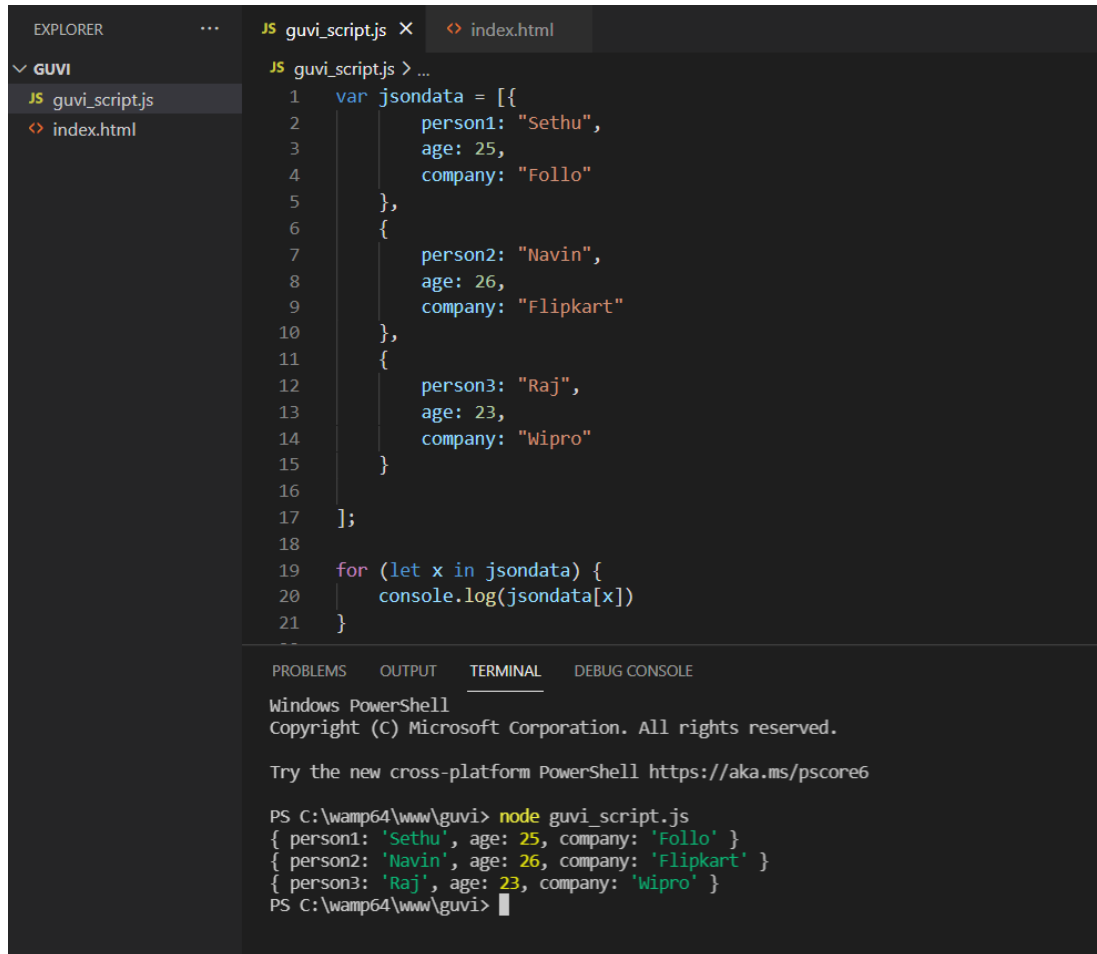
DevTools failed to load source map: Could not load content for <chrome-extension://fheoggkfdfchfphceeifdbepaooicaho/sourceMap/chrome/content.map>: HTTP error: status code 404, net::ERR\_UNKNOWN\_URL\_SCHEME

## Day 3 - Activity

Output:

For in Loop:

Vs Code screenshot



The screenshot shows the VS Code editor with a file named `guvi_script.js` open. The code defines an array `jsdata` containing three objects representing people. A `for...in` loop iterates over the array, logging each object to the console. Below the editor, a terminal window shows the command `node guvi_script.js` being executed, and the output of the script, which logs the three objects to the console.

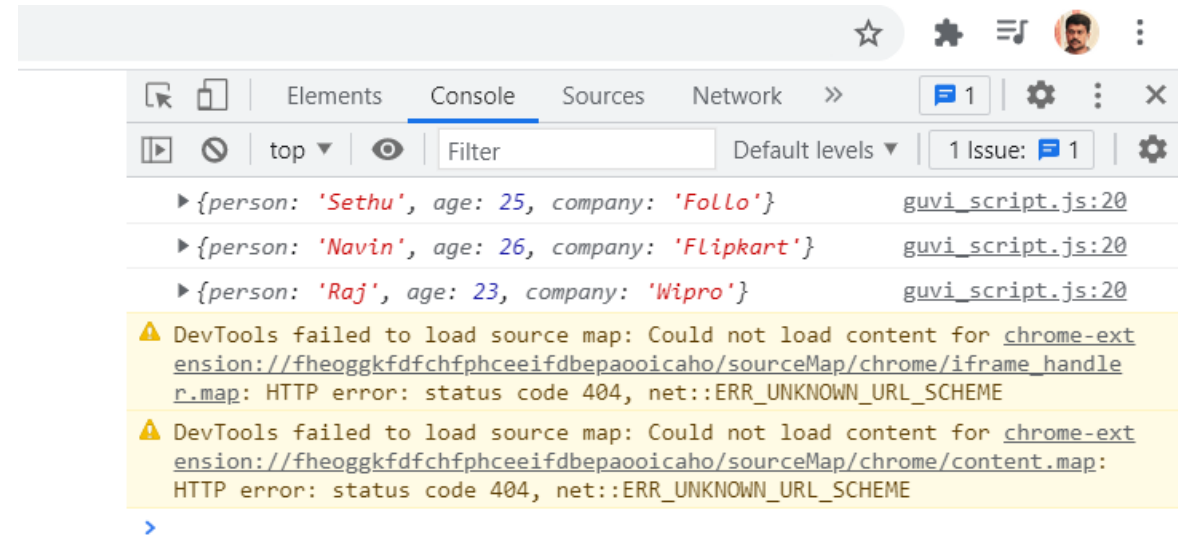
```
1 var jsdata = [{
2     person1: "Sethu",
3     age: 25,
4     company: "Follo"
5 },
6 {
7     person2: "Navin",
8     age: 26,
9     company: "Flipkart"
10 },
11 {
12     person3: "Raj",
13     age: 23,
14     company: "Wipro"
15 }
16 ];
17
18 for (let x in jsdata) {
19     console.log(jsdata[x])
20 }
21
```

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\wamp64\www\guvi> node guvi_script.js
{ person1: 'Sethu', age: 25, company: 'Follo' }
{ person2: 'Navin', age: 26, company: 'Flipkart' }
{ person3: 'Raj', age: 23, company: 'Wipro' }
PS C:\wamp64\www\guvi>
```

Console output



The screenshot shows the Chrome DevTools Console with the `Console` tab selected. It displays the output of the JavaScript script, showing three objects being logged. Below the output, there are two error messages indicating that DevTools failed to load source maps for the `chrome-extension://fheoggkfdfchfphceeiadbepaooicaho/sourceMap/chrome/iframe_handle_r.map` and `chrome-extension://fheoggkfdfchfphceeiadbepaooicaho/sourceMap/chrome/content.map` files, both with HTTP error status code 404.

```
> {person: 'Sethu', age: 25, company: 'Follo'} guvi_script.js:20
> {person: 'Navin', age: 26, company: 'Flipkart'} guvi_script.js:20
> {person: 'Raj', age: 23, company: 'Wipro'} guvi_script.js:20

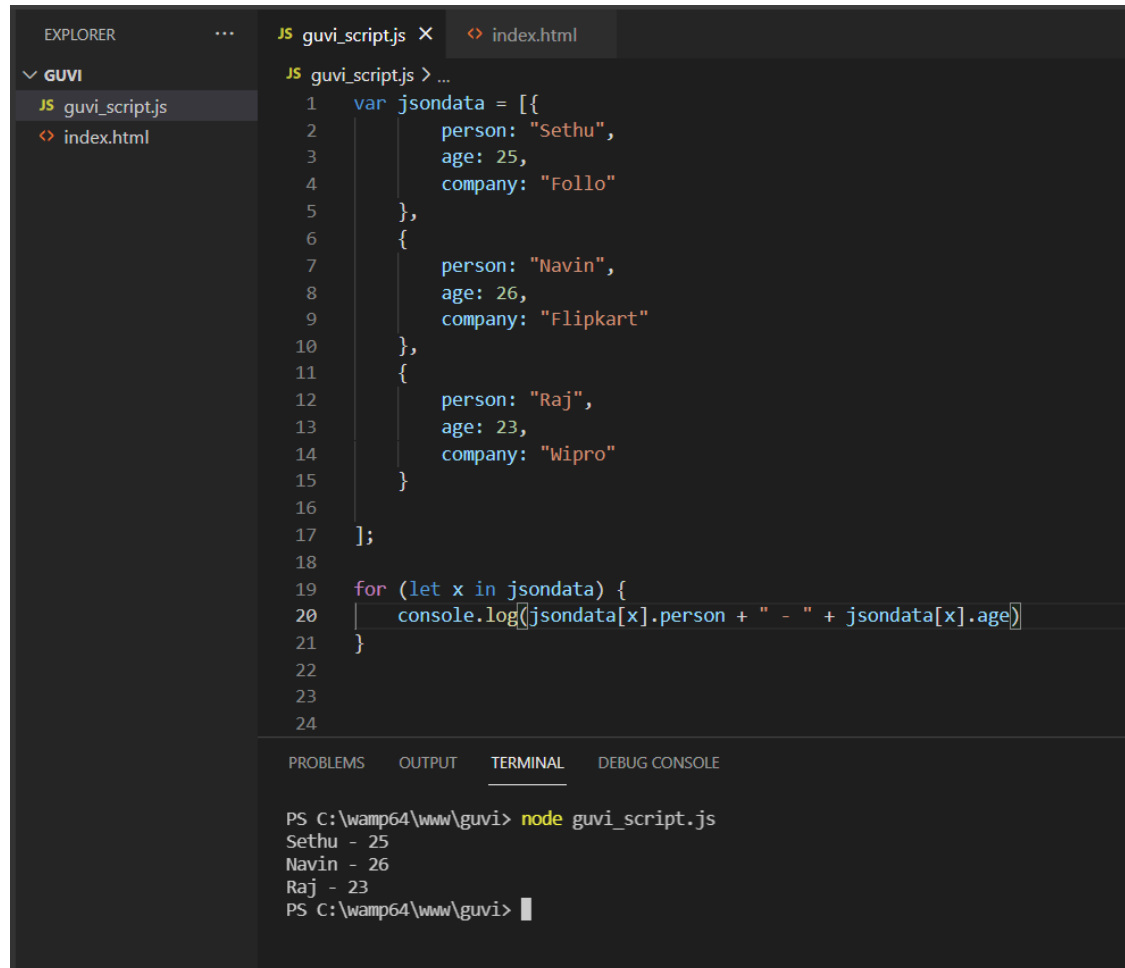
⚠ DevTools failed to load source map: Could not load content for chrome-extension://fheoggkfdfchfphceeiadbepaooicaho/sourceMap/chrome/iframe_handle_r.map: HTTP error: status code 404, net::ERR_UNKNOWN_URL_SCHEME
⚠ DevTools failed to load source map: Could not load content for chrome-extension://fheoggkfdfchfphceeiadbepaooicaho/sourceMap/chrome/content.map: HTTP error: status code 404, net::ERR_UNKNOWN_URL_SCHEME
```

## Day 3 - Activity

Output:

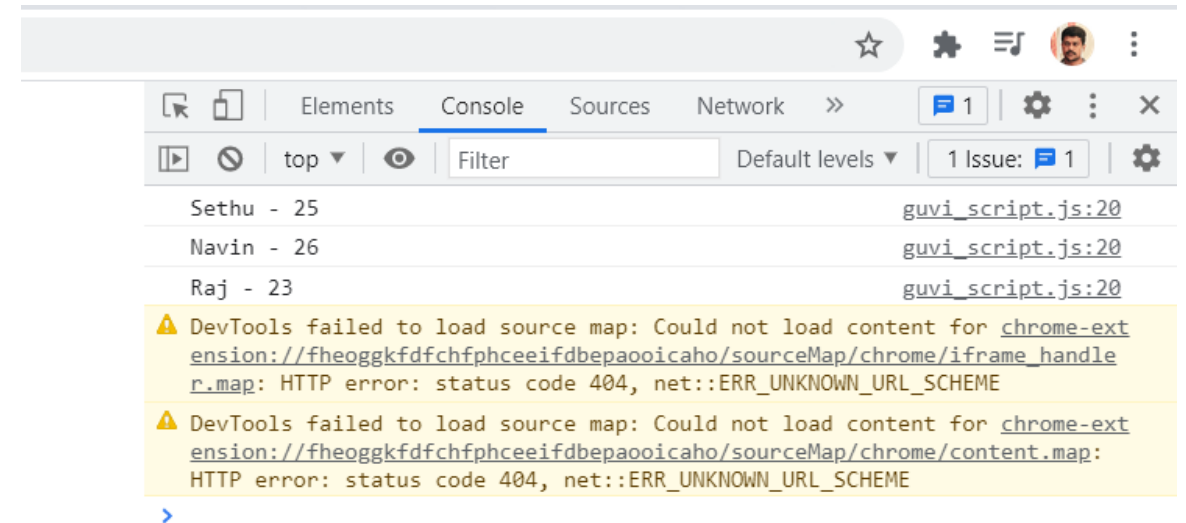
For in Loop: (Printing only person name & age)

Vs Code screenshot



```
JS guvi_script.js X index.html
EXPLORER
  GUVI
    JS guvi_script.js
    index.html
  JS guvi_script.js > ...
1  var jsongdata = [{
2      person: "Sethu",
3      age: 25,
4      company: "Follo"
5  },
6  {
7      person: "Navin",
8      age: 26,
9      company: "Flipkart"
10 },
11 {
12     person: "Raj",
13     age: 23,
14     company: "Wipro"
15 }
16 ];
17
18
19 for (let x in jsongdata) {
20     console.log(jsongdata[x].person + " - " + jsongdata[x].age)
21 }
22
23
24
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
PS C:\wamp64\www\guvi> node guvi_script.js
Sethu - 25
Navin - 26
Raj - 23
PS C:\wamp64\www\guvi>
```

Console output



```

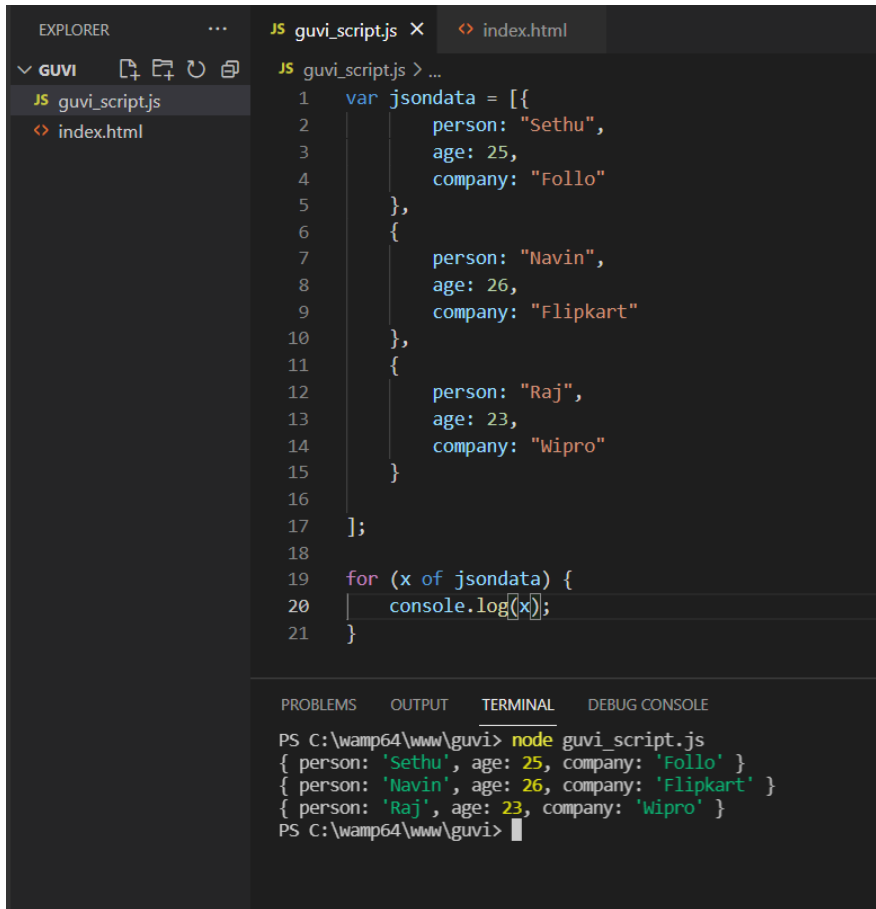
Sethu - 25 guvi_script.js:20
Navin - 26 guvi_script.js:20
Raj - 23 guvi_script.js:20
⚠ DevTools failed to load source map: Could not load content for chrome-extension://fheoggkfdfchfphceeifdbepaooicaho/sourceMap/chrome/iframe_handle_r.map: HTTP error: status code 404, net::ERR_UNKNOWN_URL_SCHEME
⚠ DevTools failed to load source map: Could not load content for chrome-extension://fheoggkfdfchfphceeifdbepaooicaho/sourceMap/chrome/content.map: HTTP error: status code 404, net::ERR_UNKNOWN_URL_SCHEME
>
```

## Day 3 - Activity

Output:

For of Loop:

Vs Code screenshot

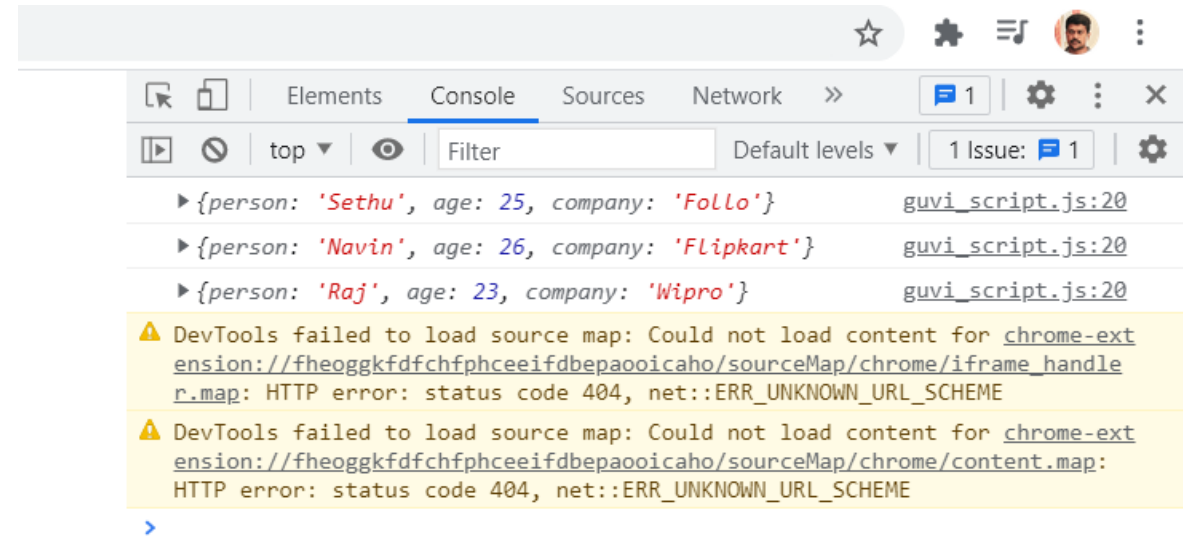


The screenshot shows the VS Code editor with a file named `guvi_script.js` open. The code defines an array `jsondata` containing three objects, each representing a person with their name, age, and company. A `for...of` loop is used to iterate over this array, logging each object to the console. Below the editor, the terminal window shows the command `node guvi_script.js` being executed, and the output displays the three objects as JSON strings.

```
1 var jsondata = [{
2     person: "Sethu",
3     age: 25,
4     company: "Follo"
5 },
6 {
7     person: "Navin",
8     age: 26,
9     company: "Flipkart"
10 },
11 {
12     person: "Raj",
13     age: 23,
14     company: "Wipro"
15 }
16 ];
17
18
19 for (x of jsondata) {
20     console.log(x);
21 }
```

```
PS C:\wamp64\www\guvi> node guvi_script.js
{ person: 'Sethu', age: 25, company: 'Follo' }
{ person: 'Navin', age: 26, company: 'Flipkart' }
{ person: 'Raj', age: 23, company: 'Wipro' }
PS C:\wamp64\www\guvi>
```

Console output



The screenshot shows the Chrome DevTools Console with the `Console` tab selected. It displays the output of the `for...of` loop, showing three objects: `{person: 'Sethu', age: 25, company: 'Follo'}`, `{person: 'Navin', age: 26, company: 'Flipkart'}`, and `{person: 'Raj', age: 23, company: 'Wipro'}`. Below the output, there are two error messages from DevTools indicating that it failed to load source maps for `chrome-extension://fheoggkfdfchfphceeifdbepaooicaho/sourceMap/chrome/iframe_handle_r.map` and `chrome-extension://fheoggkfdfchfphceeifdbepaooicaho/sourceMap/chrome/content.map`, both with HTTP error status code 404.

```
▶ {person: 'Sethu', age: 25, company: 'Follo'} guvi_script.js:20
▶ {person: 'Navin', age: 26, company: 'Flipkart'} guvi_script.js:20
▶ {person: 'Raj', age: 23, company: 'Wipro'} guvi_script.js:20

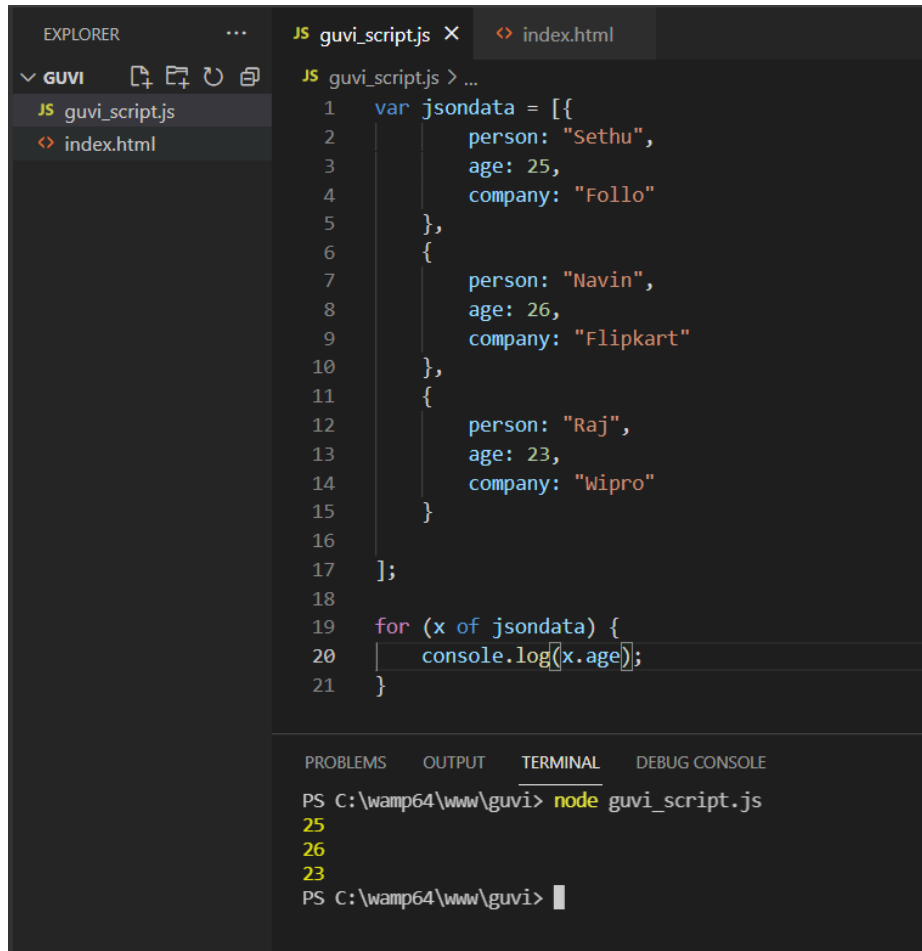
⚠ DevTools failed to load source map: Could not load content for chrome-extension://fheoggkfdfchfphceeifdbepaooicaho/sourceMap/chrome/iframe_handle_r.map: HTTP error: status code 404, net::ERR_UNKNOWN_URL_SCHEME
⚠ DevTools failed to load source map: Could not load content for chrome-extension://fheoggkfdfchfphceeifdbepaooicaho/sourceMap/chrome/content.map: HTTP error: status code 404, net::ERR_UNKNOWN_URL_SCHEME
```

## Day 3 - Activity

Output:

For of Loop: (Printing only age)

Vs Code screenshot



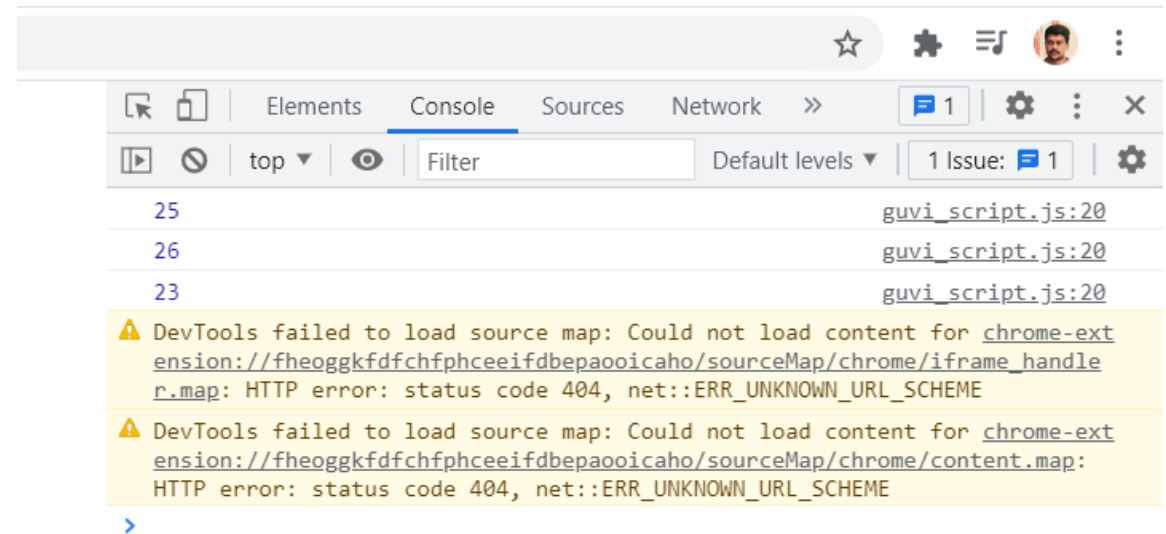
The screenshot shows the VS Code editor with a file named `guvi_script.js` open. The code defines an array of objects, each representing a person with their name, age, and company. A `for...of` loop iterates over this array, logging the age of each person to the console. The terminal at the bottom shows the command `node guvi_script.js` being executed, resulting in the output: `25`, `26`, and `23`.

```
1 var jsonData = [{
2   person: "Sethu",
3   age: 25,
4   company: "Follo"
5 },
6 {
7   person: "Navin",
8   age: 26,
9   company: "Flipkart"
10 },
11 {
12   person: "Raj",
13   age: 23,
14   company: "Wipro"
15 }
16 ];
17
18
19 for (x of jsonData) {
20   console.log(x.age);
21 }
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

PS C:\wamp64\www\guvi> node guvi\_script.js  
25  
26  
23  
PS C:\wamp64\www\guvi>

Console output



The screenshot shows the Chrome DevTools Console with the `Console` tab selected. It displays the output of the JavaScript code: `25`, `26`, and `23`, each followed by the source file `guvi_script.js:20`. Below the output, there are two error messages: `DevTools failed to load source map: Could not load content for chrome-extension://fheoggkfdfchfphceifdbepaooicaho/sourceMap/chrome/iframe_handle_r.map: HTTP error: status code 404, net::ERR_UNKNOWN_URL_SCHEME` and `DevTools failed to load source map: Could not load content for chrome-extension://fheoggkfdfchfphceifdbepaooicaho/sourceMap/chrome/content.map: HTTP error: status code 404, net::ERR_UNKNOWN_URL_SCHEME`.

Elements Console Sources Network >> 1

top Filter Default levels 1 Issue: 1

25 guvi\_script.js:20  
26 guvi\_script.js:20  
23 guvi\_script.js:20

⚠ DevTools failed to load source map: Could not load content for chrome-extension://fheoggkfdfchfphceifdbepaooicaho/sourceMap/chrome/iframe\_handle\_r.map: HTTP error: status code 404, net::ERR\_UNKNOWN\_URL\_SCHEME

⚠ DevTools failed to load source map: Could not load content for chrome-extension://fheoggkfdfchfphceifdbepaooicaho/sourceMap/chrome/content.map: HTTP error: status code 404, net::ERR\_UNKNOWN\_URL\_SCHEME

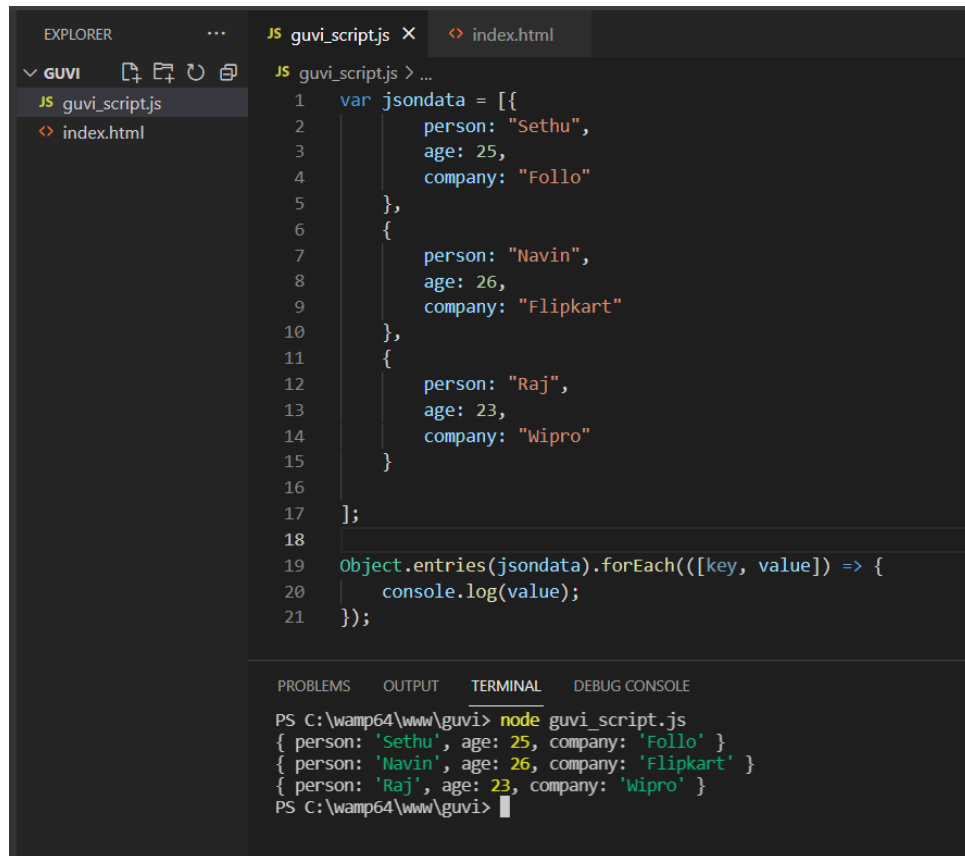
>

## Day 3 - Activity

Output:

For Each Loop:

Vs Code screenshot

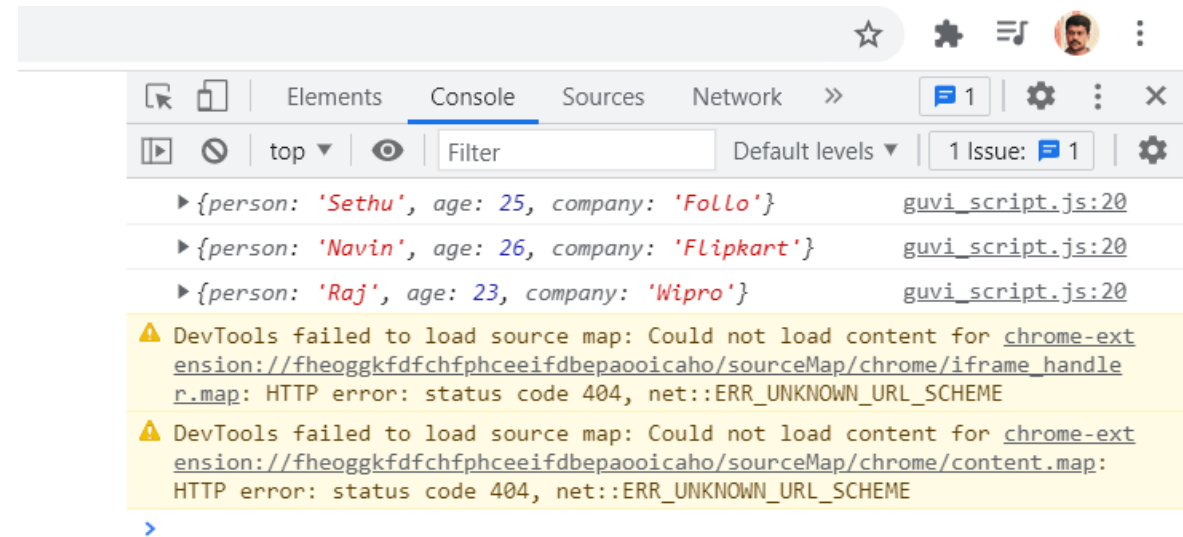


```
EXPLORER
└─ GUVI
  └─ JS guvi_script.js
    └─ index.html

JS guvi_script.js
1  var jsondata = [{
2      person: "Sethu",
3      age: 25,
4      company: "Follo"
5  },
6  {
7      person: "Navin",
8      age: 26,
9      company: "Flipkart"
10 },
11 {
12     person: "Raj",
13     age: 23,
14     company: "Wipro"
15 }
16 ];
17
18
19 Object.entries(jsondata).forEach(([key, value]) => {
20     console.log(value);
21 });
```

```
PROBLEMS  OUTPUT  TERMINAL  DEBUG CONSOLE
PS C:\wamp64\www\guvi> node guvi_script.js
{ person: 'Sethu', age: 25, company: 'Follo' }
{ person: 'Navin', age: 26, company: 'Flipkart' }
{ person: 'Raj', age: 23, company: 'Wipro' }
PS C:\wamp64\www\guvi>
```

Console output



```

▶ {person: 'Sethu', age: 25, company: 'Follo'} guvi_script.js:20
▶ {person: 'Navin', age: 26, company: 'Flipkart'} guvi_script.js:20
▶ {person: 'Raj', age: 23, company: 'Wipro'} guvi_script.js:20

⚠ DevTools failed to load source map: Could not load content for chrome-extension://fheoggkfdfchfphceeifdbepaooicaho/sourceMap/chrome/iframe_handle_r.map: HTTP error: status code 404, net::ERR_UNKNOWN_URL_SCHEME
⚠ DevTools failed to load source map: Could not load content for chrome-extension://fheoggkfdfchfphceeifdbepaooicaho/sourceMap/chrome/content.map: HTTP error: status code 404, net::ERR_UNKNOWN_URL_SCHEME
```

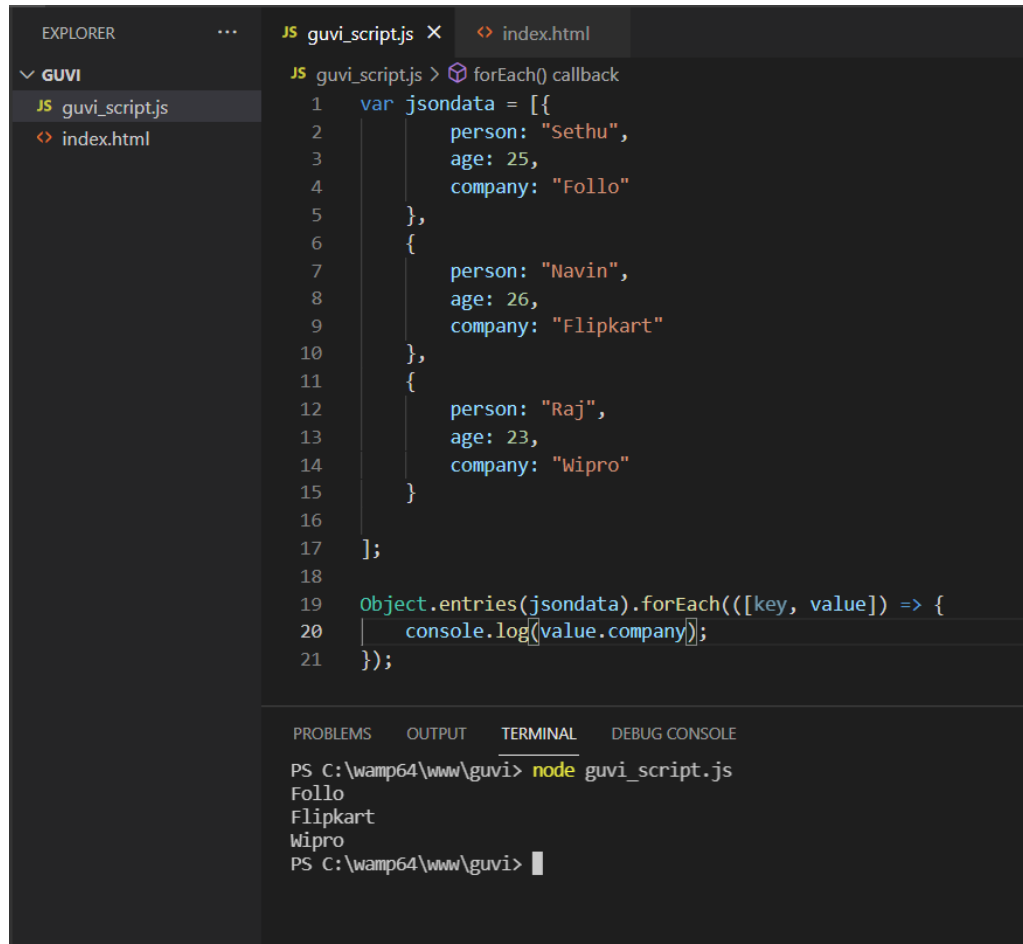


## Day 3 - Activity

Output:

For Each Loop: (Printing only company name)

Vs Code screenshot

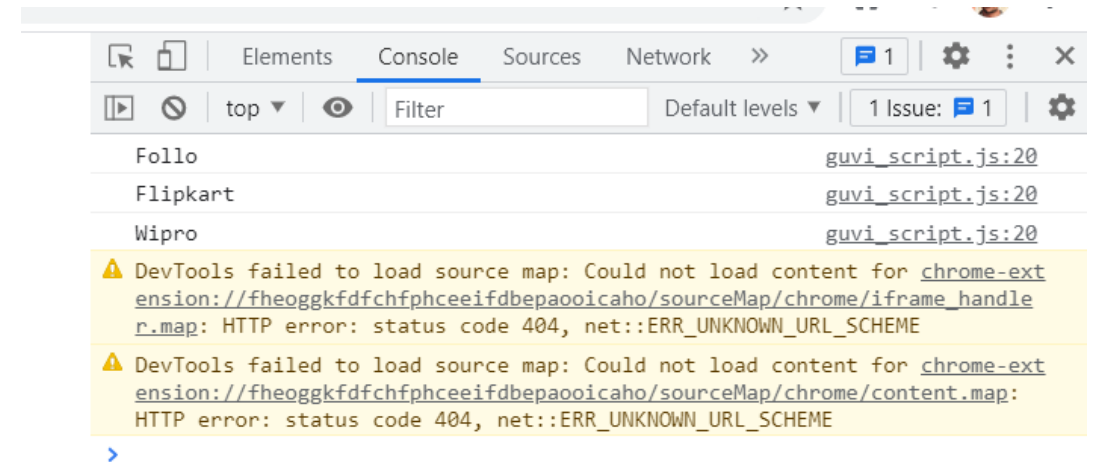


```
JS guvi_script.js > forEach() callback
1  var jsondata = [{
2      person: "Sethu",
3      age: 25,
4      company: "Follo"
5  },
6  {
7      person: "Navin",
8      age: 26,
9      company: "Flipkart"
10 },
11 {
12     person: "Raj",
13     age: 23,
14     company: "Wipro"
15 }
16 ]
17 };
18
19 Object.entries(jsondata).forEach(([key, value]) => {
20     console.log(value.company);
21 });
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

```
PS C:\wamp64\www\guvi> node guvi_script.js
Follo
Flipkart
Wipro
PS C:\wamp64\www\guvi>
```

Console output



```
Follo guvi_script.js:20
Flipkart guvi_script.js:20
Wipro guvi_script.js:20
```

⚠ DevTools failed to load source map: Could not load content for chrome-extension://fheoggkfdfchfphceeifdbepaooicaho/sourceMap/chrome/iframe\_handle\_r.map: HTTP error: status code 404, net::ERR\_UNKNOWN\_URL\_SCHEME

⚠ DevTools failed to load source map: Could not load content for chrome-extension://fheoggkfdfchfphceeifdbepaooicaho/sourceMap/chrome/content.map: HTTP error: status code 404, net::ERR\_UNKNOWN\_URL\_SCHEME