

tt()

Welcome!

tl;dr: 6 weken full-time **vette sh!t** bouwen

Schedule

- Welcome
- What is the Tech Track?
- Goals & assessment
- Previous work
- Let's get started
- Setting up



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Welcome

During the Tech Track you'll be developing your skills in order to create **meaningful**, **beautiful** and **interactive** data visualizations.

Teachers



Vincent



Robert



Laura

Information

<https://github.com/cmda-tt/course-22-23>

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Expectations (you)

- Learn a lot of new (nerdy!) skills
- Create **interactive** visualisations
- Concepting, sketching, reviewing, iterating...
- Feedback sessions + coaching
- Amazing guest lectures on cool subjects
- Shout at your laptop.

Expectations (us)

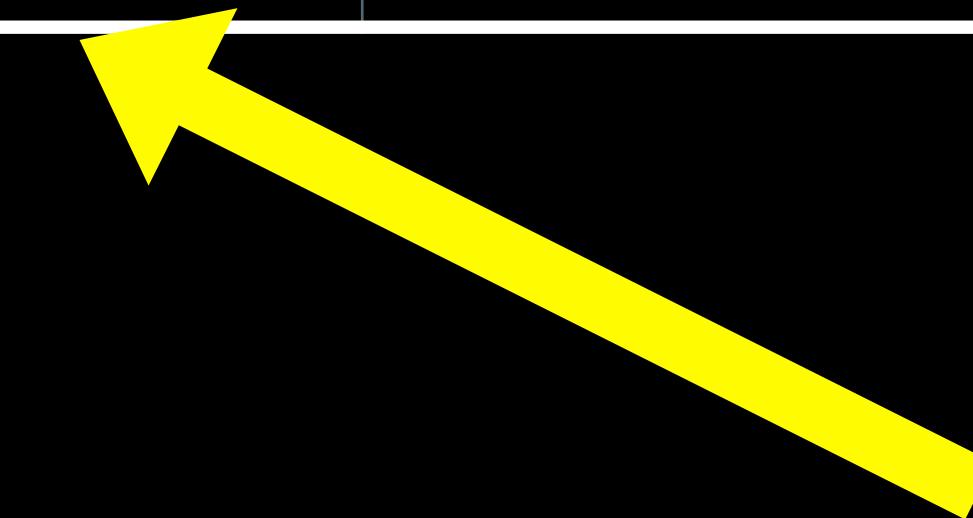
- Be motivated, put in real effort.
- Be ethical, work together, help each other.
- Be critical, let us know if we need to improve
- Communicate. Talk to each other, to us, stay in touch
- Be present at all lectures.
- We'll communicate via teams, keep a close eye on it.

What?

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Introduction	Architecture	Visualisations	Storytelling	Advanced	Assessment

What?

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Introduction	Architecture	Visualisations	Storytelling	Advanced	Assessment



Introduction, playing with data,
getting back into shape w/ HTML, CSS
and *JavaScript*

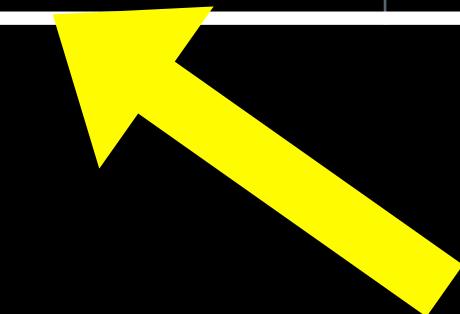
What?



Setting up our stack, researching subjects and datasets, sketching our ideas & start with the assessment

What?

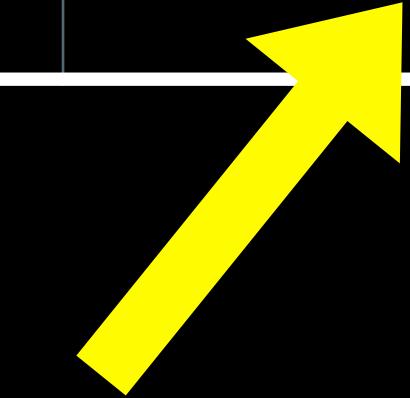
Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
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Introduction to D3 (libraries) and visualizing on the web using interactive SVG's and JavaScript

What?

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Introduction	Architecture	Visualisations	Storytelling	Advanced	Assessment



Animation, keyframes, scroll-snap, transitions: get ready to transform your default visuals into beautiful stories.

What?

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Introduction	Architecture	Visualisations	Storytelling	Advanced	Assessment

Temporal and geospatial visualisation, complex structuring, advanced patterns. Deep diving! (Or continue working on your current prototype)



What?



Refactoring, documentation, deploying, and overall working on your product. Friday = assessments.

A typical week



Schedule (github)

Date	Day	Subject	Teachers
17th-21st of October	Monday to Friday	Prerequisites	Self-study

Week 1

Date	Day	Subject	Teachers
24th of October	Monday	Welcome	Robert & Vincent
26th of October	Wednesday	Interactive data visualizations for the web	Vincent
28th of October	Friday	Functional usage of JavaScript	Robert

Week 2

Date	Day	Subject	Teachers
31st of October	Monday	Web architecture	Robert & Vincent
2nd of November	Wednesday	Data management in complex systems	Cas Obdam (DEPT)
5th of November	Friday	Libraries and frameworks	Robert

Week 3

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Assignment

For your final assignment, you'll be creating an interactive data visualization using HTML, CSS and JavaScript. That's it, that's the assignment.

Goals

- Clean, transform data with functional programming patterns
- Create interactive visualizations from (external) data
- Use D3 or other frameworks to create interactive visualization(s)
- Work with front-end framework and think in components
- Apply meaningful animation and / or storytelling in your visualization.
- Refactor, debug and read complex programs (code)

Requirements

- General
- Architecture
- Visualisation
- Storytelling
- Wiki

The screenshot shows a GitHub repository page for 'course-22-23 / assessment / FINAL-ASSIGNMENT.md'. The file was last committed by 'roberrrt-s' 13 days ago. The file contains 60 lines (37 sloc) and is 3.69 KB in size. The content of the file is as follows:

```
Final assignment

For your final assignment, you'll be creating an interactive data visualization using HTML, CSS and JavaScript. That's it, that's the assignment.

Description

The Tech-Track final assessment is an individual, oral test in which you demonstrate your interactive data visualization, can elaborate and defend design choices, and explain rationale behind the chosen stack or technical solutions.

What?

- A dashboard, or an experience, or both. You've build a website in the broadest sense possible that conveys knowledge by parsing data and visualizing it.
- Documentation. A clear readme with the who-what-where of your website, installation instructions and external requirements. In addition, a wiki documenting your progress and proces. Including (sketch)notes of all guest lectures and documented choices based on valid research.

When?

Your deadline is the thursday of week 6 at 23:59. All orals are on Friday
```

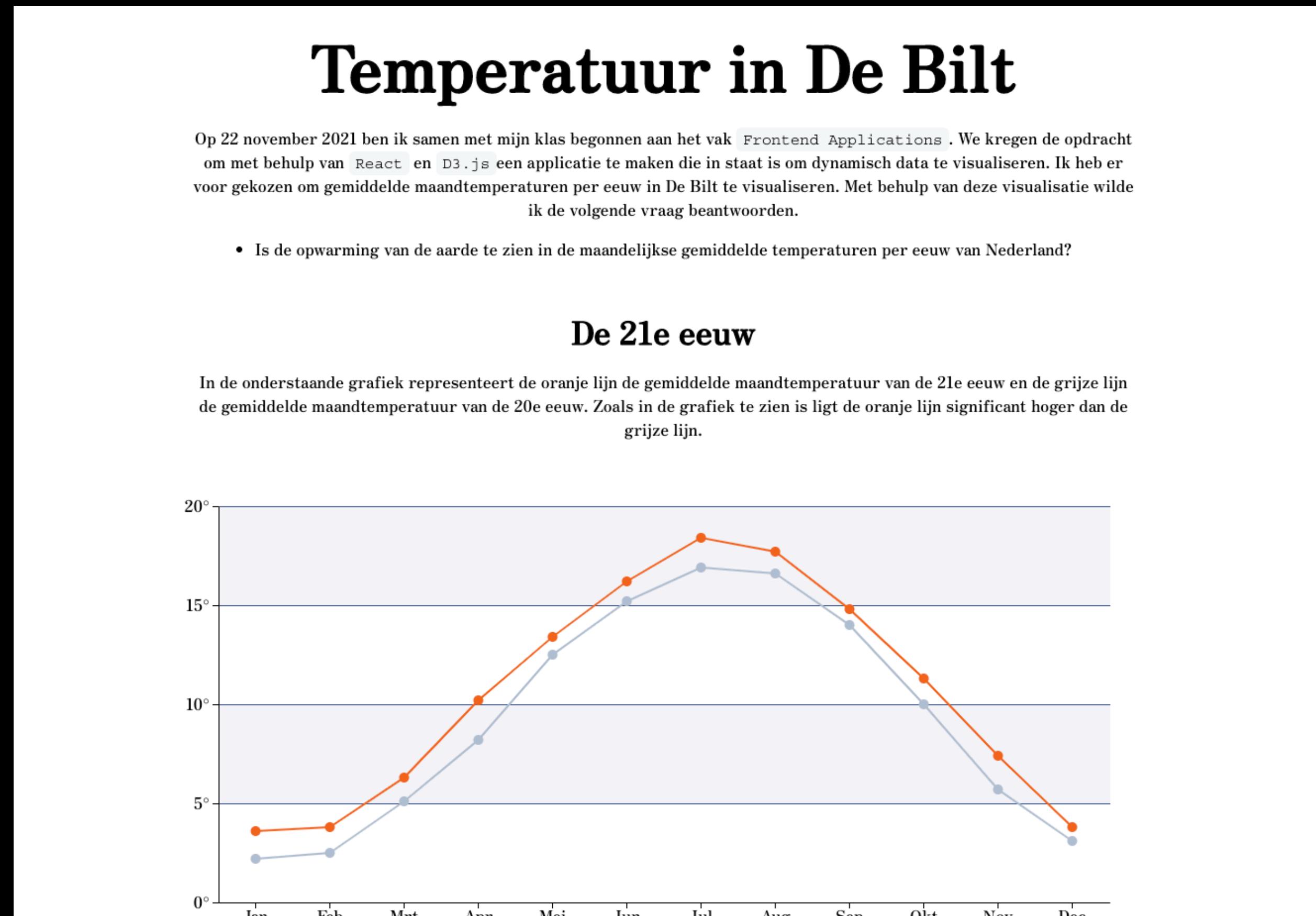
<https://github.com/cmda-tt/course-22-23/blob/main/assessment/FINAL-ASSIGNMENT.md>

Schedule

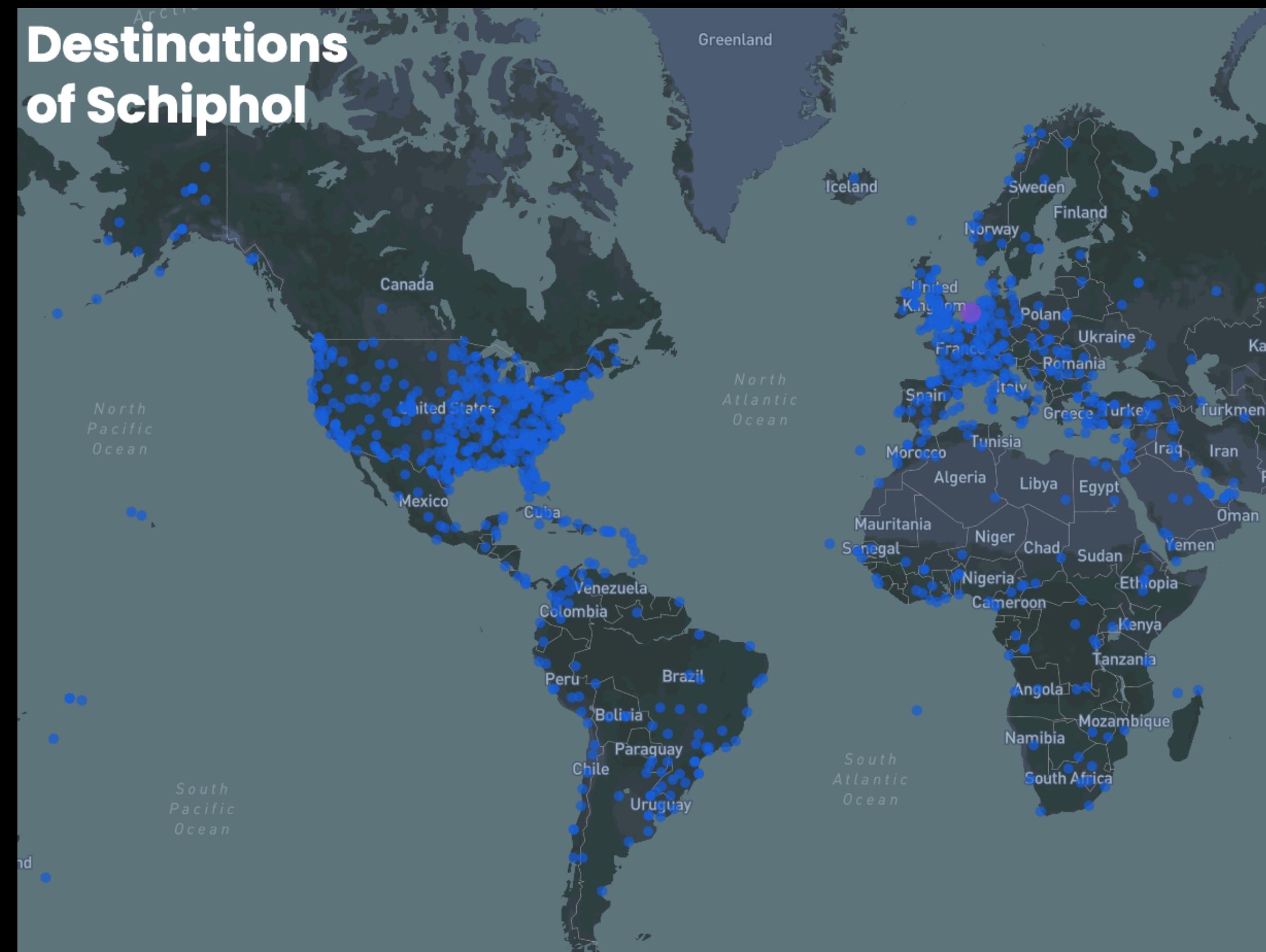
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Previous work



Previous work



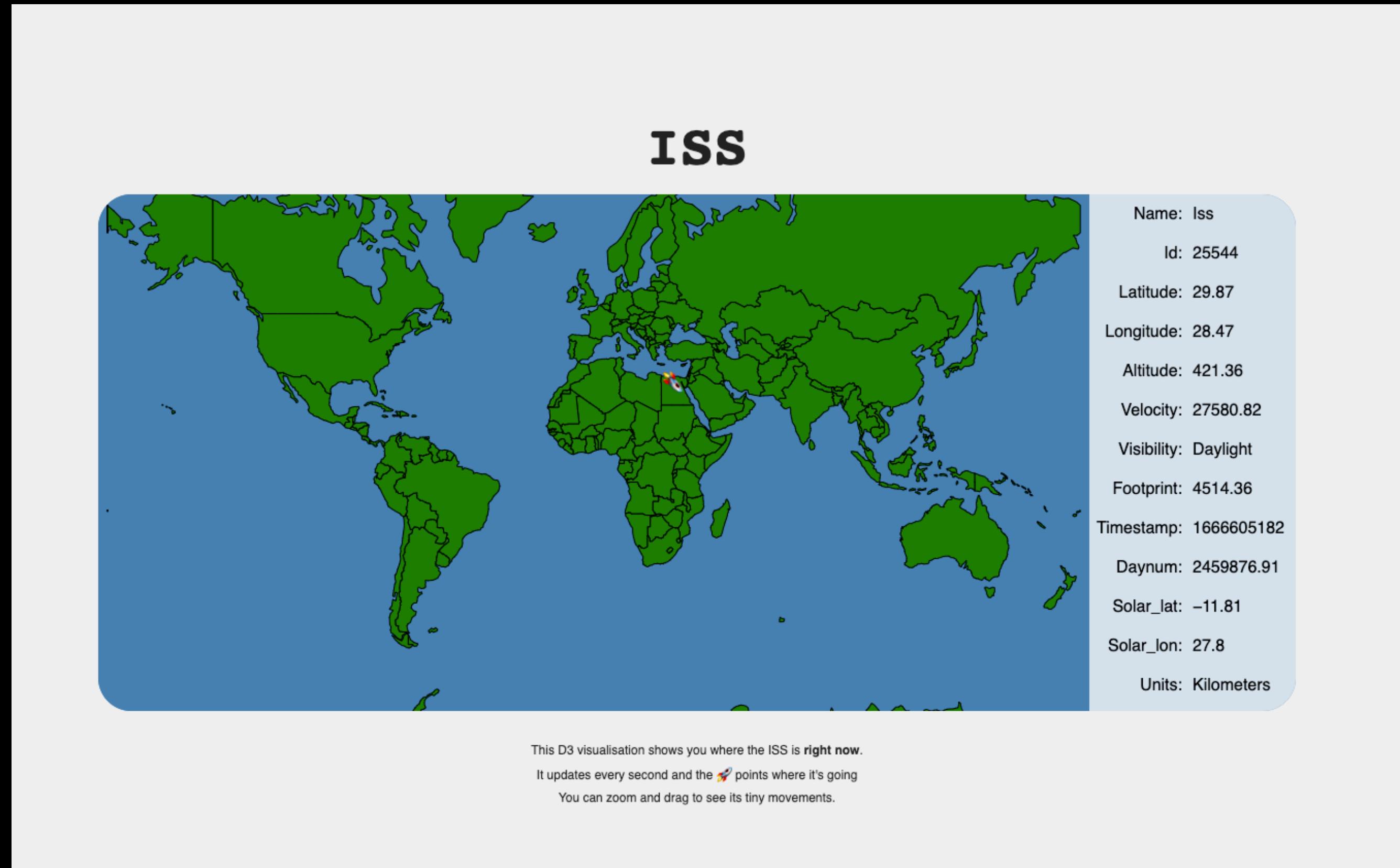
Previous work

Top 3 Albums

Overmono

Album:	Listeners:
BMW Track / So U Kno 	141,710
Whities 019 	119,816
Everything U Need 	104,691

Previous work



Previous work



Victor, Sam & Gosro, 20-21

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Starting..

of ik deel zo even de URL op teams..



Starting..

Omg data????

Starting..

The screenshot shows a web-based development environment with a dark theme. At the top, there's a header bar with icons for heart, save, settings, and other tools. Below the header is a navigation bar with tabs for HTML, CSS (SCSS), and JS (Babel). The JS (Babel) tab is active, displaying the following code:

```
1 const seconds = 10;
2
3 function getData() {
4     console.log('Grabbing new userdata...');
5
6     fetch('https://opensheet.elk.sh/1t09SS1f9RQZ0Ay0BmkczJVkCxWcAhzGtcSDpzheKTZI/responses')
7         .then(res => res.json())
8         .then(data => {
9             console.log(`Found ${data.length} entry / entries!`)
10        })
11    }
12
13 setInterval(getData, seconds * 1000)
14
15 getData();
```

To the right of the code editor is a "Console" window showing the output of the code execution:

```
"Grabbing new userdata..."
"Found 1 entry / entries!"
"Grabbing new userdata..."
"Found 1 entry / entries!"
```

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Setting up

1. Create a GitHub repository with the name tech-track-22-23
 2. Add your information to the sheet in the #tech-track channel
 3. Fork the codepen to your own account
-
- You're all set for tomorrow!

**Uncaught SyntaxError
Unexpected end of input**