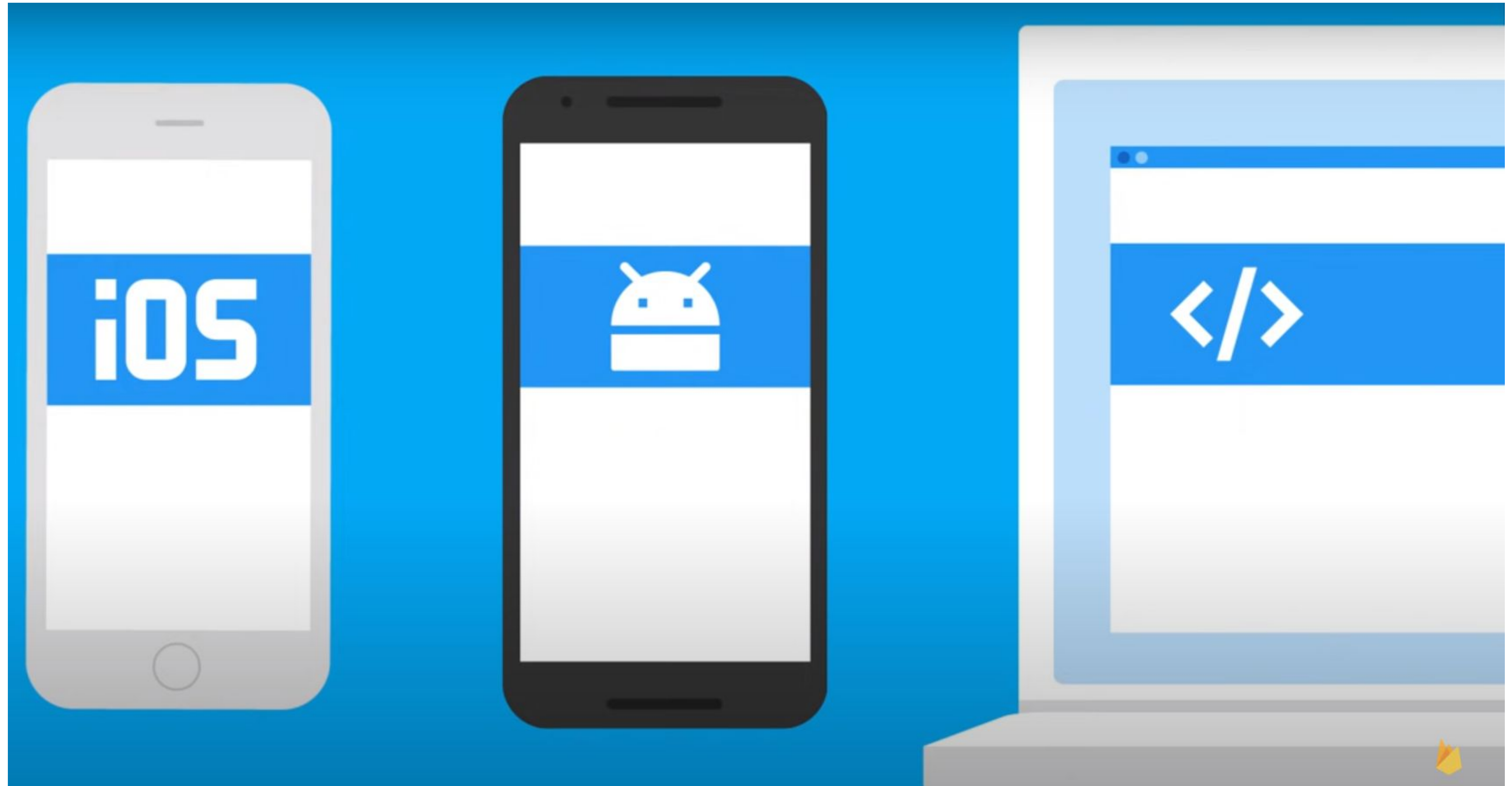


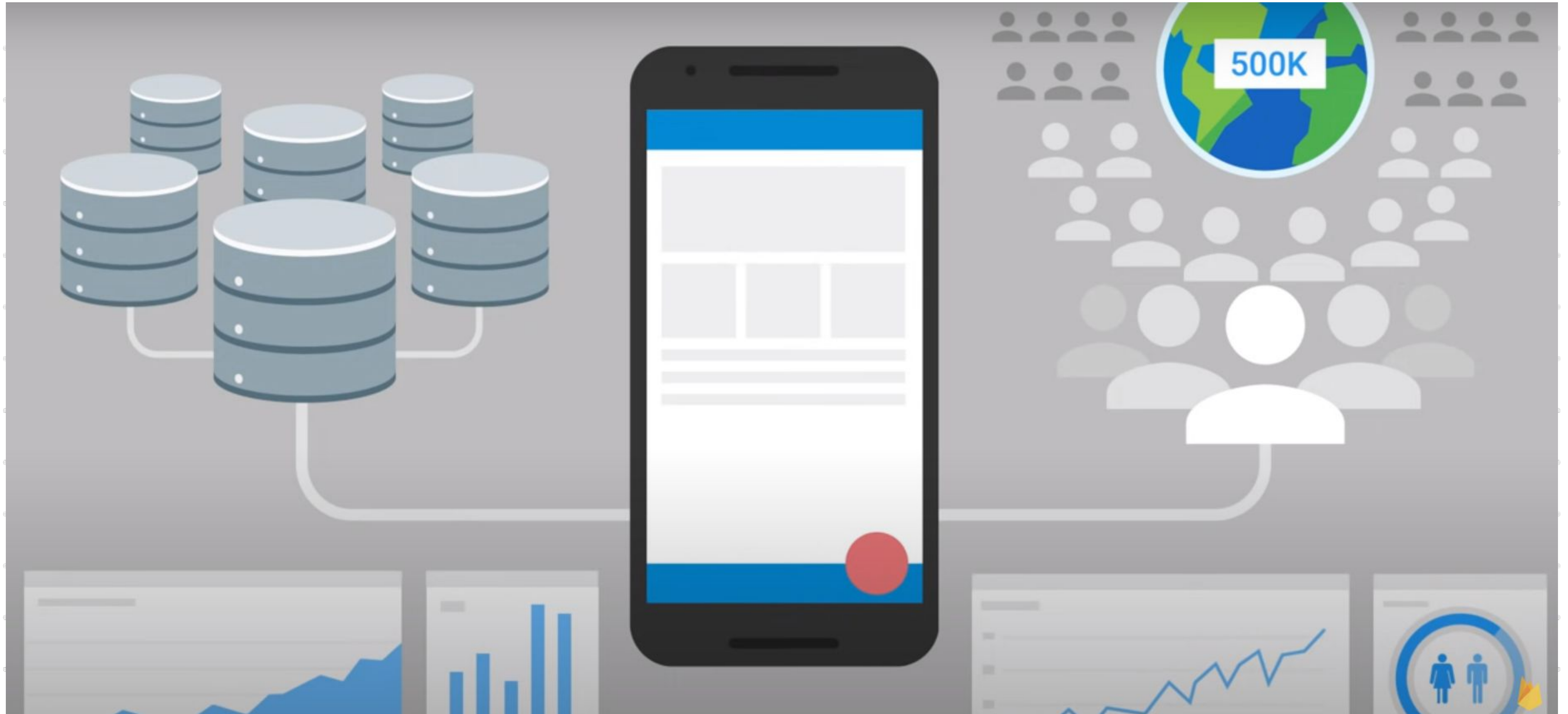


Firebase for Web Apps

Develop to all users



Need a Lot of Services



Firebase has a Lot of Tools



- help reach new users
- Scale up
- has a web console
- view crashes
- set up experiments
- track analytics
- . . .

Install Firebase: 1) Automatic install script

```
curl -sSL https://firebase.tools | bash
```

Install Firebase: 2) npm

```
npm install -g firebase-tools
```

Install Firebase: 2) npm - install Node.JS

```
nvm install --lts
```

Its stands for Long Term Support
currently v14.18.1

Install Firebase: 2) npm - Install nvm

```
curl -sSL \
https://raw.githubusercontent.com/nvm-sh/nvm/master/install.sh \
| bash
```


Install Firebase: 3) Standalone binary

- Download and run the specific binary for your OS
- Set up the globally available firebase command.
 - Make the binary executable by running **chmod +x ./firebase_tools.**
 - Add the binary's path to your PATH.

Deploy to Firebase Hosting

```
firebase login    # Sign in to Google  
firebase init     # Initiate your project  
firebase deploy  # deploy your web app
```


<https://stackblitz.com/>

```
Commit Save Fork Share
index.html × style.css index.js
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <title>My Title</title>
5     <meta charset="UTF-8" />
6   </head>
7   <body>
8     <h1>Hello BFCAI</h1>
9     <p>A lot of words ...</p>
10    <hr />
11    <h2>Hello BFCI Again</h2>
12    <p>A lot of words again ...</p>
13    <hr />
14    <div id="app"></div>
15  </body>
16 </html>
```

Hello BFCAI

A lot of words ...

Hello BFCI Again

A lot of words again ...

<https://stackblitz.com/>

index.html

style.css

index.js

```
1
2 import './style.css';
3
4 import { initializeApp } from 'firebase/app';
5 import { getAnalytics } from 'firebase/analytics';
6
7 const firebaseConfig = {
8   apiKey: 'AIzaSyAqAFF1JHs4PgaFpG6H3LDUBihHkjcp0rI',
9   authDomain: 'ai-web-demo-01.firebaseio.com',
10  projectId: 'ai-web-demo-01',
11  storageBucket: 'ai-web-demo-01.appspot.com',
12  messagingSenderId: '169830187364',
13  appId: '1:169830187364:web:8f05b08474490c1a04ba71',
14  measurementId: 'G-3M8WQ79J1F',
15 };
16
17 const app = initializeApp(firebaseConfig);
18 const analytics = getAnalytics(app);
19
```

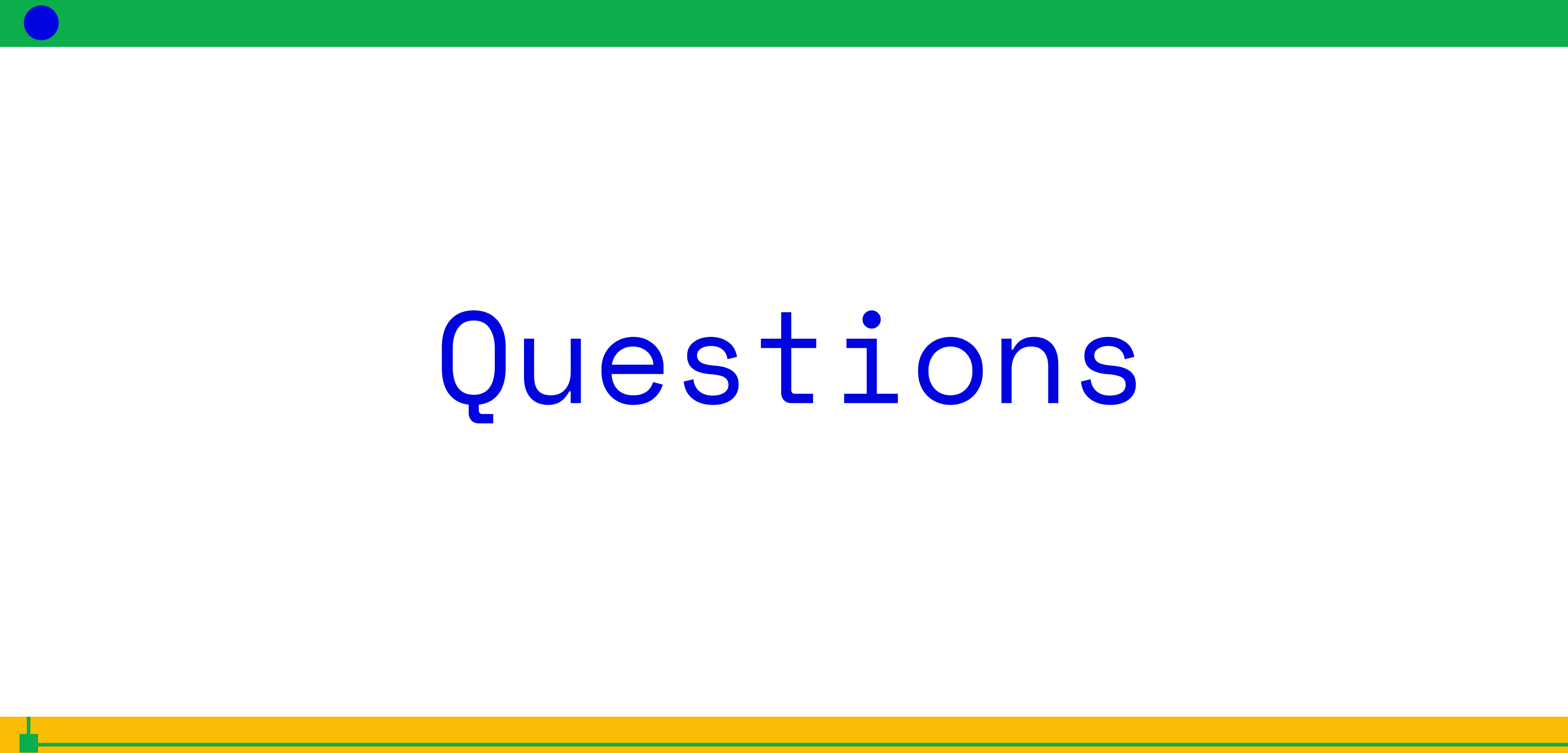

<https://stackblitz.com/>



The image shows a code editor interface with three tabs at the top: 'index.html' (with an HTML icon), 'style.css' (with a CSS icon), and 'index.js' (with a JavaScript icon). The 'index.js' tab is active. Below the tabs, a code editor displays CSS code. On the left side of the editor, line numbers 1 through 9 are listed. The code is as follows:

```
1  
2 body {  
3   background-color: orange;  
4 }  
5  
6 p {  
7   background-color: aqua;  
8 }  
9
```

A horizontal line is visible at the bottom of the code editor area.



Questions

Study List

1. <https://firebase.google.com/learn/pathways/firebase-web?hl=en>