



Aula 1: Atribuindo valores

Variáveis e Tipos

Objetivos



1. Explicar o que são variáveis
2. Explicar o que são constantes
3. Explicar a diferença entre var, const e let



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Atribuição de Valores



Case Type

Example

Original Variable as String

some awesome var

Camel Case

someAwesomeVar

Snake Case

some_awesome_var

Kebab Case

some-awesome-var

Pascal Case

SomeAwesomeVar

Upper Case Snake Case

SOME_AWESOME_VAR



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Aula 1 | Etapa 1:

Variáveis

Variáveis e Tipos



Var e let



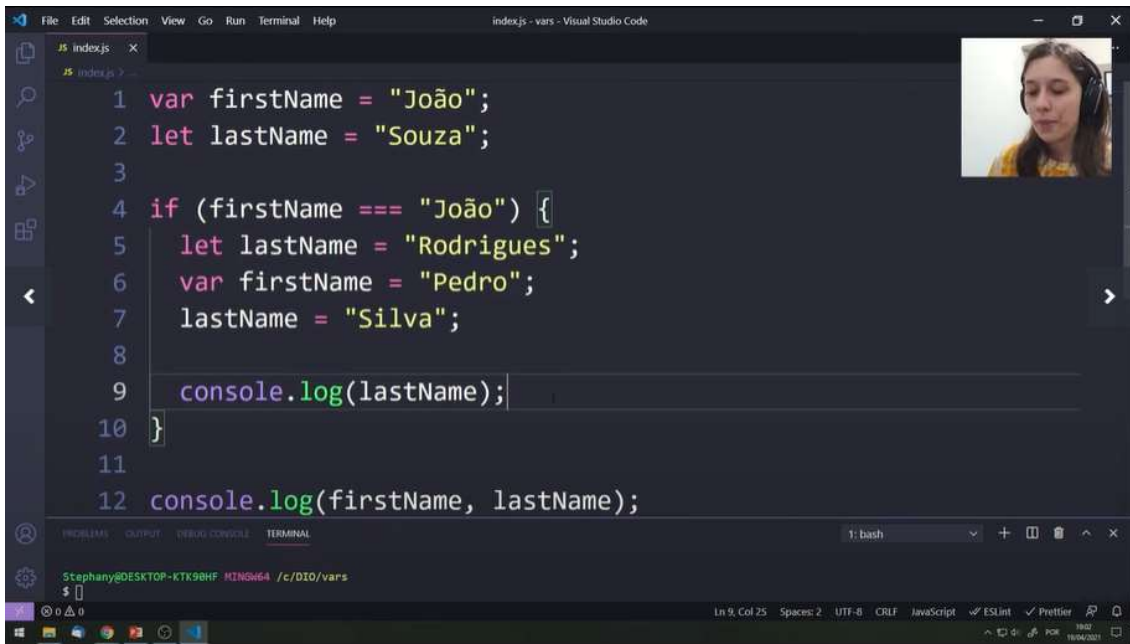
```
var a = 1;
var b = 2;

if (a === 1) {
  var a = 11; // the scope is global
  let b = 22; // the scope is inside the if-block

  console.log(a); // 11
  console.log(b); // 22
}

console.log(a); // 11
console.log(b); // 2
```

- Escopos diferentes
- Hoisting
- Redeclaração
- Reatribuição
- camelCase



```
1 var firstName = "João";
2 let lastName = "Souza";
3
4 if (firstName === "João") {
5   let lastName = "Rodrigues";
6   var firstName = "Pedro";
7   lastName = "Silva";
8
9   console.log(lastName);
10 }
11
12 console.log(firstName, lastName);
```



Aula 1 | Etapa 2:

Constantes

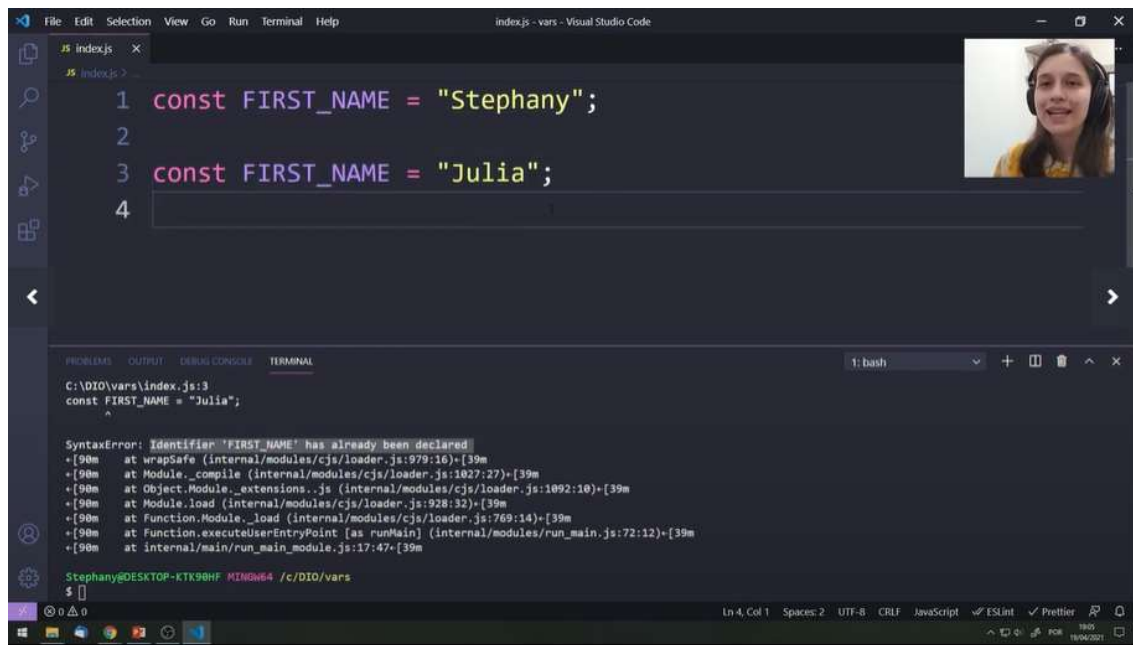
Variáveis e Tipos

Constantes



- Declarada em SNAKE_UPPER_CASE
- Escopo de bloco
- Não faz hoisting

```
const DAYS_IN_A_WEEK = 7;  
const MY_NAME = "Kieran";
```



index.js - Visual Studio Code

```
1 const FIRST_NAME = "Stephany";
2
3 const FIRST_NAME = "Julia";
4
```

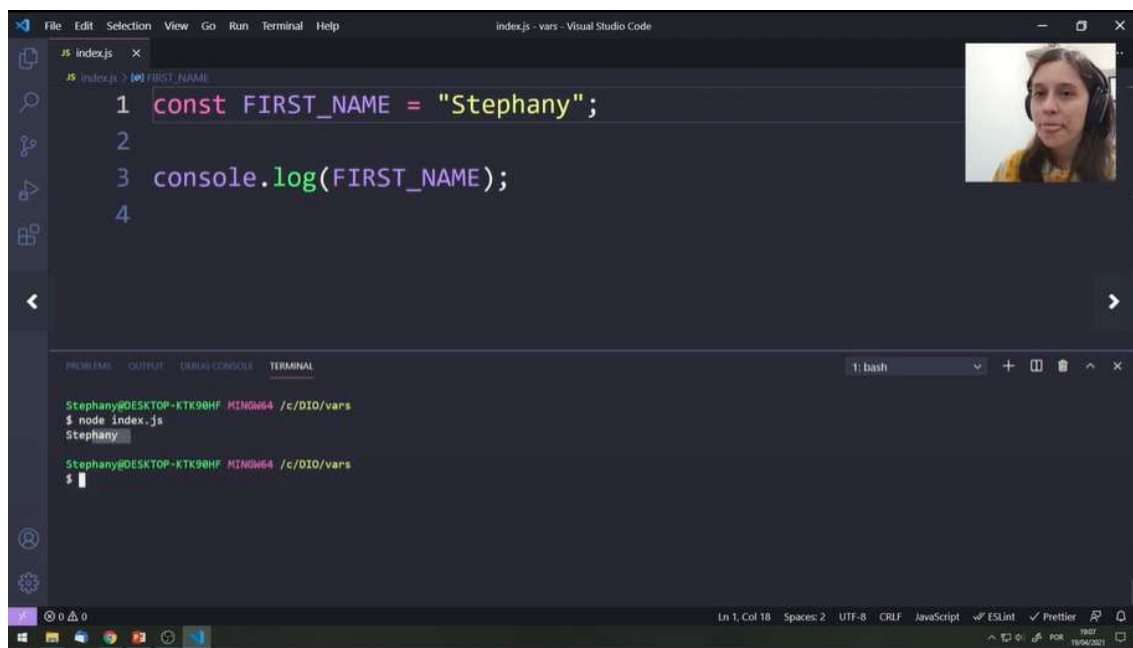
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

1: bash

C:\DIO\vars\index.js:3
const FIRST_NAME = "Julia";
^
SyntaxError: Identifier 'FIRST_NAME' has already been declared
•[90m at wrapSafe (internal/modules/cjs/loader.js:979:16)-[39m
•[90m at Module._compile (internal/modules/cjs/loader.js:1027:27)-[39m
•[90m at Object.Module._extensions..js (internal/modules/cjs/loader.js:1092:10)-[39m
•[90m at Module.load (internal/modules/cjs/loader.js:928:32)-[39m
•[90m at Function.Module._load (internal/modules/cjs/loader.js:769:14)-[39m
•[90m at Function.executeUserEntryPoint [as runMain] (internal/modules/run_main.js:72:12)-[39m
•[90m at internal/main/run_main_module.js:17:47-[39m

Stephany@DESKTOP-KTK98HF MINGW64 /c/DIO/vars
\$

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index.js - Visual Studio Code

```
1 const FIRST_NAME = "Stephany";
2
3 console.log(FIRST_NAME);
4
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

1: bash

Stephany@DESKTOP-KTK98HF MINGW64 /c/DIO/vars
\$ node index.js
Stephany

Stephany@DESKTOP-KTK98HF MINGW64 /c/DIO/vars
\$

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Aula 1 | Etapa 3:

let, var e const

Variáveis e Tipos

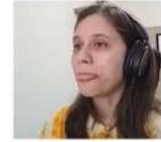
var, let e const



	var	const	let
escopo	global ou local	bloco	bloco
redeclarar	sim	não	não
reatribuir	sim	não	sim
hoisting	sim	não	não

Hoisting= precisa declarar e atribuir um valor

Para saber mais



- [var, let, const — what's the difference?](#)
- [Diferença entre var, let e const no Javascript?](#)
- [Hoisting – Glossário](#)
- [Convenções de Javascript](#)
- [Boas práticas em Javascript](#)