Errors in JavaScript

There is a native Java Script Constructor Error in Java Script.

Go to console and type

> Error

f Errore) { Lnative code]}

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So you can create an Error with this constructor function as follows

new Error ('any message')

- new error instance

But this dosent mean that we have an actual error, we need to actually throw an error

> throw new Error () Un caught Error > now we have an

actual error

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And when we throw something, the execution of our program stops.

Console log ('1') throw new Error() console. log ('2')

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> Uncaught f Errorc)

2 is not even printed because the execution of our program will stop

When we create an error, we can access some properties on it

const someError = new Error ('Damn Error!')

> Some Error. name

-> Error

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> some Error. message

-> Damn Error!

> some Error, stack

" Error : Damn Error

at Lanonymous>:1:17"

The error occurred on the global execution context Now let's define an error inside of a function

> function random Error()

E const someError = new Error ('Damn'Error'!)

random Error();

@ we called randomerror and the error occured it

> Error: Damn Error!

at random Error (<anonymous >)
at <anonymous >

First we had execution context

We can also check

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som randomError(). stack

So we can trace where exactly the error occurred

We also have other error in Is

> new Syntax Error -> example &,

new Reference Error -> when something is not defined

So how are errors handled in Javascript behind the scenes?

When an error occurs, it check the execution context on top of stack if there is a catch (to handle the error), if not it goes one level down and checks the next execution context if there is a catch

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If there is no catch anywhere, the onemore, function gets run of the browser

So the runtime catch: onerrore) will handle the error for us

But again, this will stop the execution of the program and hence we should have our own as catch statements