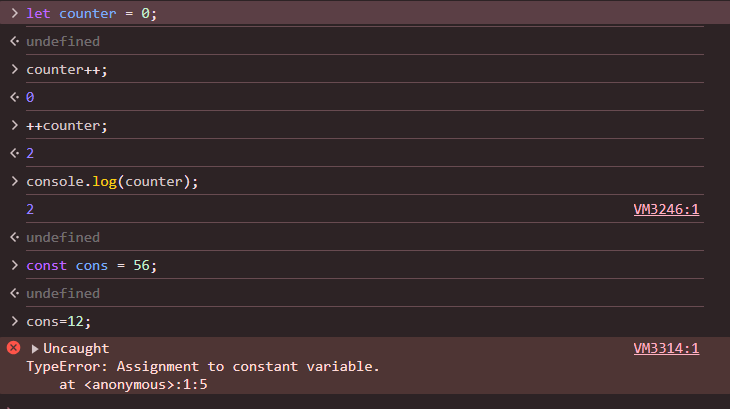
Front end Notes

Java Script

* Programming language that specifically runs on web. easy to write on web. Powerful language used in the front end of web dev, desktop apps, and many more, Frame of js is widely used in Development such as next.js, electron , react.js,
* ECMA is an international standard organization for Java script. For Example The same program may have different results in different browsers.
* There are run type compilation in browsers for java script. How the code runs in any environment vs how it runs in browser in entirely different.

## JAVA SCRIPT VARIABLES

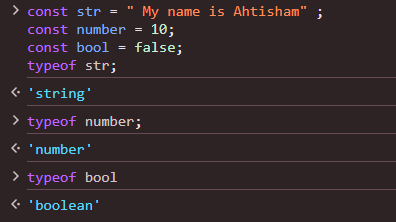
1. Const is for declaring constants in js ;
2. Let is for declaring variable which may be later reassigned;



Camel case , pascal case, snake case , lower case 🡪 all are valid in java script just like java.

Camel case is widely used in declaring variables and used in most of companies 🡪 java thing ;

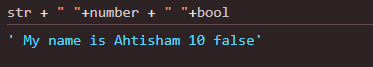
Depending upon the type of Data js automatically assigns its datatype as given below . No need to write data type while typing the variable names .



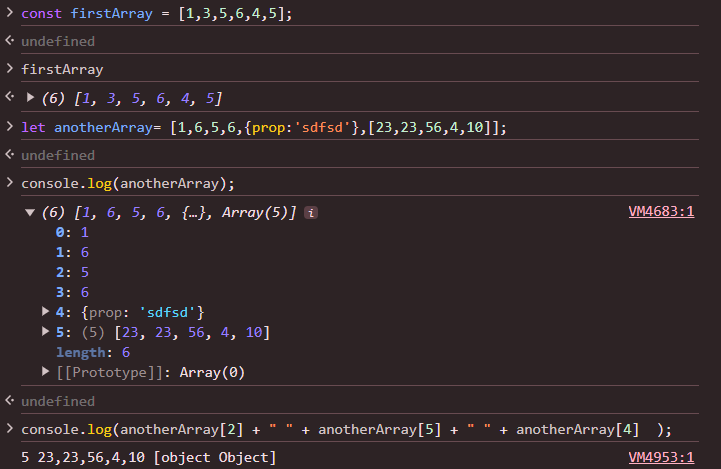
Here typeof give the data Type .

## Implicit conversion :

as shown below concatenates the number , Boolean and strings data types.



Array :



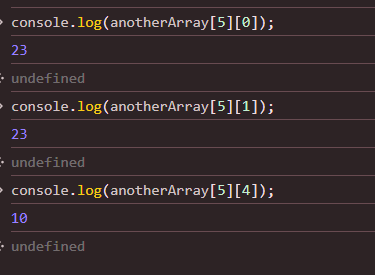
Array rules are same as other programming languages .

In the above example there are six elements :

The element at index 4 is an object

The element at index in the above array is another . Its members can be accessed by treating as 2d array

FOR EXAMPLE :



Here 5 Is the index of subarray in its super array whereas the 2nd bracket gives the index of elements in the subarray;

### In java everything is an object

# [Jquery notes](https://www.geeksforgeeks.org/jquery-cheat-sheet-a-basic-guide-to-jquery/)(click here :source GeeksForGeeks).

Animations using jquery :

Animate( {

Css code here in css format

Margin : 5px ; here second value sould be number only we cant do color : red })

Sildeup();

Slidedown();

Tooggleslide();

Fadein();

Fadeout();

Show();

Hide();

Chaining : $(“h1”).Sildeup().Slidedown().animate(); here functions are applied left to right.