

Javascript

`console.log()` is used to print something

While assigning values in any variable always use these keywords, although without the use of keyword also it works.

- 1) `var` → It is old one
- 2) `let` → It is new one
- 3) `const` → It is new one

`let` all can be reupdated

```
let age=20
```

```
age=30
```

```
age=40
```

`const` can't be reupdated

```
const age=230
```

If any variable is declared without any value

It will export as undefined

Ex:-

```
let a;
```

But, `const` gives error in same case

Block means `{ }`

If we define `let` in one block then it will only execute there

var : Variable can be re-declared & updated. A global scope variable.

let : Variable cannot be re-declared but can be updated. A block scope variable.

const : Variable cannot be re-declared or updated. A block scope variable.

Data Types in JS

Number, String, Boolean, Undefined, Null, BigInt, Symbol

`typeof <>` It gives which type of datatype

BigInt, Symbol are rarely used

The image below illustrates the non primitive data type that is object, while 7 primitive data types are mentioned above.

Here a student is a variable where the different values are assigned in a block code and printed out.

If:

We want to change the name inside the block code then **line 8 is** the method for that.

```
JS first.js > ...
1  const student = {
2    fullName: "Rahul Kumar",
3    age: 20,
4    cgpa: 8.2,
5    isPass: true,
6  };
7
8  student["name"] = "Rahul Sharma";
9
10 console.log(student["name"]);
11
```