05 Day-2

Tuesday (248 - 117)

September 2023

Week 36

Data type

- JS has dynamic type which mean the same value can store different data type.

```
let x;      // x is undefined
x = 5;      // Now x is a number
x = "John"  // Now x is an string
```

① Primitive Data type

→ They are immutable, which mean you can changed their values & if you are changing then you are actually creating a new value.

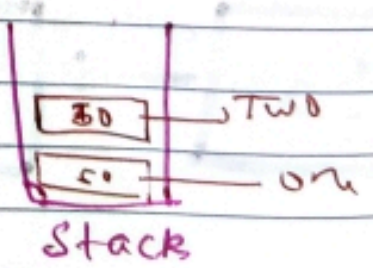
→ They are passed by value

→ They are compared by their actual values.

→ It is stored in stack, a primitive data type on stack is identified by the variable name.

ex →

```
let one = 50.
let two = 50.
```




```
let numOne = 50
let numTwo = numOne
numOne = 100
console.log(numOne) ?
console.log(numTwo) ?
```

(11) Refrenu data type in JS
→ Dynamic in Nature.

Diffrenu b/w primitive & Refrenu datatype?

In Refrenu datatype the valu aru not directly stored in the stack as in primative

Letis us take an example→
you have created an object & the object is stored in the heap memory & the variable name is stored in the stackand it point to the object.

```
let obj1 = {
  name: "sonny",
  age: 21
}
let obj2 = obj1;

obj1.age = 25;

log(obj2);
```