MODULE: 2 (Data Types and Objects)

● Write the code, one line for each action:

a) Create an empty object user.

```
Let user={};
```

b) Add the property name with the value John.

```
User={
    Name:"John";
};
```

c) Add the property surname with the value Smith.

```
User={
    Surname:"Smith";
};
```

d) Change the value of the name to Pete.

```
User.Name="Pete";
```

e) Remove the property name from the object.

```
delete(User.Name);
```

● Is array copied?

let fruits = ["Apples", "Pear", "Orange"]; // push a new value into the "copy" let shoppingCart = fruits; shoppingCart.push("Banana"); // what's in fruits? alert(fruits.length); // ?

- Yes array will copy and fruits.length will be 4

● Sum the properties There is a salaries object with arbitrary number of salaries. Write the function sumSalaries(salaries) that returns the sum of all salaries using Object.values and the for..of loop.If salaries is empty, then the result must be 0.

```
let salaries = {
"John": 100,
"Pete": 300,
"Mary": 250
};
alert( sumSalaries(salaries) ); // 650
function sumSalaries(salaries) {

  let sum = 0;

  for (let value of Object.values(salaries)) {

    if (salaries.John == 0 || salaries.Pete == 0 || salaries.Mary == 0) {

      console.log("Someones salary is Zero");

      return 0;

    } else {

      sum += value;

    }

  }

  return sum;

}
console.log(sumSalaries(salaries));
```