**Advance Javascript Module-2**

* **Write the code, one line for each action:**

1. **Create an empty object user.**

Let user = {};

1. **Add the property name with the value John:**

user.name=”John”;

1. **Add the property surname with the value Smith:**

user.surname=”Smith”;

1. **Change the value of the name to Pete:**

user.name=”Pete”;

1. **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 ); // ?**

Answer is: 4

* **Map to names**

**let john = { name: "John", age: 25 };**

**let pete = { name: "Pete", age: 30 };**

**let mary = { name: "Mary", age: 28 };**

**let users = [ john, pete, mary ];**

**let names = /\* ... your code \*/**

**alert( names ); // John, Pete, Mary**

Answer is : John, Pete, Mary

* **Map to objects**

**let john = { name: "John", surname: "Smith", id: 1 };**

**let pete = { name: "Pete", surname: "Hunt", id: 2 };**

**let mary = { name: "Mary", surname: "Key", id: 3 };**

**let users = [ john, pete, mary ];**

**let usersMapped = /\* ... your code ... \*/**

**/\* usersMapped = [ { fullName: "John Smith", id: 1 }, { fullName: "Pete Hunt", id: 2 }, { fullName: "Mary Key", id: 3 } ]\*/**

**alert( usersMapped[0].id ) // 1**

**alert( usersMapped[0].fullName ) // John Smith**

Answer is:

let john = { name: "John", surname: "Smith", id: 1 };

let pete = { name: "Pete", surname: "Hunt", id: 2 };

let mary = { name: "Mary", surname: "Key", id: 3 };

let users = [ john, pete, mary ];

let usersMapped= users.map(user => ({

fullName: `${user.name} ${user.surname}`,

id: user.id

}));

alert( usersMapped[0].id );

alert( usersMapped[0].fullName );

* **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 salary of object.values(salaries)){

sum += salary;

}

Return sum;

}

let salaries={

“John”=100;

“Pete”=300;

“Mary”=250;

};

alert( sumSalaries(salaries) );

* **Destructuring assignment We have an object:**

**Write the Destructuring assignment that reads:**

**a) Name property into the variable name.**

**b) Year’s property into the variable age.**

**c) isAdmin property into the variable isAdmin (false, if no such property) d) let user = { name: "John", years: 30};**

let user = {

   name: "John",

   years: 30

};

let {name, years: age, isAdmin = false} = user;

alert( name );

alert( age );

alert( isAdmin );