**Module 10 : Javascript Object**

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

a) Create an empty object user.

Ans :- var details = {

}

b) Add the property name with the value John.

Ans :- var details = {

}

details.name = "john"

console.log(details)

c) Add the property surname with the value Smith.

Ans :- var details = {

}

details.surname = "Smith"

console.log(details)/

d) Change the value of the name to Pete.

Ans :- var details = {

}

details.surname = "Smith"

details.surname = "Pete"

console.log(details)

e) Remove the property name from the object.

Ans :- var details = {

}

details.surname = "Smith"

details.surname = "Pete"

delete details.name

console.log(details)

● Is array copied?

Ans :- Apples, Pear,Orange,Banana

alert( fruits.length );

ans :- 4

**2. Map to names**

Ans :- <script>

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

let name1 = john.name

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

let name2 = pete.name

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

let name3 = mary.name

let users = [name1,name2,name3]

for ( e of users) {

document.write(e + ",")

}

</script>

**3. Map to objects:-**

Ans :- <script>

let usersMapped = [

{ fullName: "John Smith", id: 1 },

{ fullName: "Pete Hunt", id: 2 },

{ fullName: "Mary Key", id: 3 }

]

alert( usersMapped[0].id)

alert( usersMapped[0].fullName)

</script>

**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.**

Ans :- let salaries = {

John: 100,

Pete: 300,

Mary: 250,

};

let sal1 = salaries.John

let sal2 = salaries.Pete

let sal3 = salaries.Mary

function sumSalaries(a, b, c) {

return a + b + c;

}

alert(sumSalaries(sal1, sal2, sal3))

**5. Destructuring assignment We have an object: Write the Destructuring assignment that reads:-**

Ans :- let user = {

name: "John",

years: 30

};

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

alert( name ); // John

alert( age ); // 30

alert( isAdmin ); // false

**6. Turn the object into JSON and back Turn the user into JSON and then read it back into another variable.**

Ans :- let user = {

name: "John Smith",

age: 35

};

let user2 = JSON.parse(JSON.stringify(user));