

SOURCE CODE

04.maps-and-classes.html

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
  <script src="maps.js"></script>
  <script src="classes.js"></script>
</head>

<body>
  <h4>MAPS AND CLASSES</h4>
</body>

</html>
```

Classes.js

```
// Creating Objects using ES6 features
console.log("\n\n***** Creating Objects using ES6 features *****");

class Bus {

  constructor(name, color) {
    this.name = name;
    this.color = color;
  }

  display() {
    return "[" + this.name + ", " + this.color + "]"
  }

};

bus1 = new Bus("Tata", "red");
console.log(bus1.name);
```

```
console.log(bus1.display());
```

maps.js

```
console.log("****MAP DEMO****");
//creating map
let myMarks = new Map();

//adding value to map
myMarks.set("Maths", 100);
myMarks.set("Science", 89);
myMarks.set("English", 90);
myMarks.set("CS", 100);

//displaying mark of each subject
console.log("Maths MARK : " + myMarks.get("Maths"));
console.log("Science MARK : " + myMarks.get("Science"));
console.log("English MARK : " + myMarks.get("English"));
console.log("CS MARK : " + myMarks.get("CS"));

//displaying the keys
console.log("Keys: " + Array.from(myMarks.keys()));

// displaying the values
console.log("Values: " + Array.from(myMarks.values()));

// checking if a key exists in the map
console.log("Does 'Maths' exist? " + myMarks.has("Maths"));
console.log("Does 'History' exist? " + myMarks.has("History"));

// deleting a key-value pair
myMarks.delete("English");

// displaying the updated Map
console.log("After deleting 'English':");
console.log(myMarks);
```

