

## Practical – 1

- Write HTML/Javascript code for the following: 1. When name of the basic color is entered in the textbox and leave the textbox then it should take that color as background color. 2. Until you enter the complete mobile number (means less than 10 digits) in the textbox, it should take red color as background and when it becomes complete then show the alert message. Write a Javascript code to create user defined object Car with carModelName, carColor, carPrice, carSpeed properties and with displaySpeed(s),increaseSpeed(s) and DescreaseSpeed(s) as methods.

### CODE :

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Practical 1</title>
</head>
<body>
    <h3>Q1</h3> Enter any color to change bg : <input type="text"
placeholder="Enter any color">
    <h3>Q2</h3>
    <input type="number" id="num1" placeholder="Enter mobile number">
    <p></p>
    <p class="cur"></p>
    <p class="inc"></p>
    <p class="dec"></p>
    <script>
        const input = document.querySelector("input");
        input.addEventListener("blur", () => {
            input.style.backgroundColor = input.value;
        });
        const numInput = document.querySelector("#num1");
        numInput.addEventListener("input", () => {
            if (numInput.value.length > 10) {
                alert("Mobile
number cannot exceed 10 digits");
                numInput.value
                = numInput.value.slice(0, 10);
            }
            if (numInput.value.length === 10) {
                alert("Valid mobile number");
                numInput.style.backgroundColor = "lightgreen";
            }
            if (numInput.value.length < 10) {

```

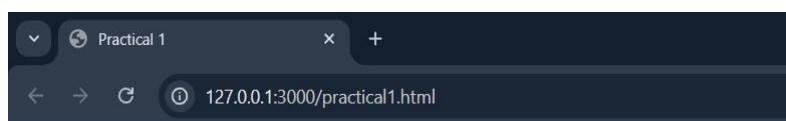
```

        numInput.style.backgroundColor = "red";
    });
    let Car = {
carmodelName: "M4 competition",

        carColor: "Black",
carPrice: "INR 2 Cr",
displaySpeed: () => {
    let cur = document.querySelector(".cur");
    cur.innerText = "Current speed is 100 Km/h";
},
increaseSpeed: () => {
    let inc =
document.querySelector(".inc");
    inc.innerText = "Current speed is 120 Km/h";
},
decreaseSpeed: () => {
    let dec =
document.querySelector(".dec");
    dec.innerText = "Current speed is 90 Km/h";
}
function showCarObj() {
    let data
= JSON.stringify(Car);
    let p =
document.querySelector("p");
    p.innerText = data;
    Car.displaySpeed();
    Car.increaseSpeed();
    Car.decreaseSpeed();
}
showCarObj();
</script> </body>

</html>

```

**OUTPUT :****Q1**Enter any color to change bg : **Q2**

{ "carmodelName": "M4 competition", "carColor": "Black", "carPrice": "INR 2 Cr" }

Current speed is 100 Km/h

Current speed is 120 Km/h

Current speed is 90 Km/h

