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1. **Create a webpage that changes the background color based on user input using prompt.**

   ➢ **Answer :**

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Change Background Color</title>
</head>
<body>
    <h1>Change Background Color</h1>
    <script type="text/javascript">
        function changeBackgroundColor() {
            var color = prompt("Please enter a color name");
            document.body.style.backgroundColor = color;
        }
    </script>
    <button onclick="changeBackgroundColor()">Change Color</button>
</body>
</html>
```

2. **Use prompt to get the user's name and display it using document.write**

   ➢ **Answer :**

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Display Name</title>
</head>
<body>
    <script type="text/javascript">
        var name = prompt("Enter your name ");
```

```
        document.write("Hello " + name);
    </script>
</body>
</html>
```

3. Use prompt to check the user's age and display an alert indicating if the user is an adult or not.

➢ **Answer :**

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Age check</title>
</head>
<body>
    <script type="text/javascript">
        var age = prompt("Enter your age ");
        if (age > 17){
            alert("you are an adult ");
        }
        else{
            alert("Not an adult ");
        }
    </script>
</body>
</html>
```