

**LetsUpgrade**  
**JavaScript Assignment**  
**Day-6**

**Submitted by**

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**Ques1. Write a program that will iterate over an array of colors and change the background of the page after 5 seconds.**

**Ans** <!DOCTYPE html>

<html>

<script type="text/javascript">

var c = ["blue", "black", "yellow", "red"];

var currentIndex = 0;

function changeColor() {

document.bgColor = c[currentIndex];

currentIndex = (currentIndex + 1) % c.length;

setTimeout(changeColor, 5000);

}

</script>

<body onload="changeColor()">

</body>

</html>

**Ques2. Write a program that will display the multiplication table of a number on the webpage in a proper format. Take the input from the user.**

**Ans** <!DOCTYPE html>

```
<html>

<body>

<h2>Display Table</h2>

<script>

var number=Number(prompt("Enter the number"));

for(var i=1;i<=10;i++)

{

document.write(number+" x "+i+" = "+number*i+"<br>");

}

</script>

</body>

</html>
```

### Output:



**Ques3. Make a webpage that will ask the name of the user. Then will display a welcome message on the webpage. Also the webpage should also have a clock. Using the toggle method of classList add a dark mode feature to the website.**

**Ans** <!DOCTYPE html>

<html>

<head>

<title>

Welcome page

</title>

</head>

<body>

<script>

var name=prompt("Enter your name");

document.write("<h2>"+ "Welcome "+name+"<br>"+ " Have a good day"+"</h2>");

function turnDark()

{

var element=document.body;

element.classList.toggle("dark-mode");

}

</script>

</body>

</html>