18CS670 Web Programming Lab Terminal Exam

CREATE HTML PAGE WITH JAVASCRIPT

18C072

25/5/21

18CS670 Web Lab Terminal
CREATE HTML PAGE WITH JAVASCRIPT

AIM: To create a html page with javascript that takes string as an input and take required action using javascript.

ALGORITHM/ PROCEDURE:

1. Read the Input from the user using text field.

2. On clicking Red button, function red() is called, in which input string is assigned to as innerHTML to H4 tag by making text bold and background as Red.

3. On clicking Yellow button, function yellow() is called, in which input string is assigned as inner HTML to marquee tag which is scrolling from left to right and text is displayed in yellow colour.

4. On clicking Green button, function Green() is called, in which input string is passed to inTimer() in which font size is increased by 5px continuously till it reaches 60 px, then it call deTimer() in which font size is decreased from 60px to 15px by decreasing 5px continuously. This is alternatively at regular Interval.

HTML PROGRAM:

```html
<!DOCTYPE HTML>
<html>
<head>
<style>
h4 {
position: absolute;
top: 50%;
left: 50%;
transform: translate(-50%, -50%);
}


</style>
</head>
<body>

<h1 align="center" style="color:blue">JavaScript Demo</h1>
<div align="center">
<label>Enter String:</label>
<input id="string" type="text"><br><br>
<input type="button" style="background-color:red; font-weight:bold" onclick="red()" value="Red">
<input type="button" style="background-color:yellow; font-weight:bold" onclick="yellow()" value="Yellow">
<input type="button" style="background-color:green; font-weight:bold" onclick="green()" value="Green">
<br>

<marquee id="scroll" scrollamount="10" style="color:yellow"behavior="scroll" direction="left"></marquee>
<br>
<h4 id="demo"></h4>
</div>
<script>

function red()
{
var ids = document.getElementById("demo");
var s = document.getElementById("string");
ids.innerHTML=s.value.bold();
ids.style.backgroundColor='red';
}
function yellow()
{
var s = document.getElementById("string");
document.getElementById("scroll").innerHTML=s.value.bold();
}
```

```
function green()
{
var var1 = setInterval(inTimer, 1000);
var fs = 15;
var ids = document.getElementById("demo");
var s = document.getElementById("string");
function inTimer() {
ids.innerHTML = s.value;
ids.setAttribute('style', "font-size: " + fs + "px; color: green");
fs += 5;
if(fs >= 60 ){
clearInterval(var1);
var2 = setInterval(deTimer, 1000);
}
}
function deTimer() {
fs -= 5;
ids.innerHTML = s.value;
ids.setAttribute('style', "font-size: " + fs + "px; color: green");
if(fs === 15 ){
clearInterval(var2);
var1 = setInterval(inTimer, 1000);
}
}}
</script>
</body>
</html>
```

OUTPUT:

On clicking Red button, user input string is displayed as bold with Red colour background

On clicking Yellow colour button, user input string is scrolled from left to right in Yellow Colour is shown below

On clicking the Green button, user input string grows up to 60px and then shrinks back to 15px and vice versa

Now Increasing

JavaScript Demo

Enter String: Web Programming Lab

Red Yellow Green

Web Programming Lab

Increased to maximum Size

JavaScript Demo

Enter String: Web Programming Lab

Red Yellow Green

Web Programming Lab

Decreasing from maximum size to 15px by reducing 5px at each instance

JavaScript Demo

Enter String: Web Programming Lab

Red   Yellow   Green

Web Programming Lab

JavaScript Demo

Enter String: Web Programming Lab

Red   Yellow   Green

Web Programming Lab

Result:

Thus, the html page is created with three coloured buttons Red, Yellow and Green and also necessary actions are done using javascript.