

# GOA COLLEGE OF ENGINEERING

“Bhausahab Bhandodkar Technical Education Complex”

**Experiment No: 4c**

**Date:**

**Aim:** Write a Javascript program to display a text with increasing font size in the interval of 10ms in red color. When the font size reaches 50px it should start shrinking in blue color till it reaches 5px

**Theory:**

## The setTimeout function

The setTimeout() method in JavaScript is used to execute a function after waiting for the specified time interval. This method returns a numeric value that represents the ID value of the timer.

Unlike the setInterval() method, the setTimeout() method executes the function only once. This method can be written with or without the window prefix.

We can use the clearTimeout() method to stop the timeout or to prevent the execution of the function specified in the setTimeout() method. The value returned by the setTimeout() method can be used as the argument of the clearTimeout() method to cancel the timer.

**Code:**

```
<!DOCTYPE html>
<html>
<body>
<div id="h"></div>
<script>
var v = 0, f = 1, t="TEXT-GROWING",color;
function a()
{
if(f==1)
v+=5,color="red";
else
v-=5,color="blue";
document.getElementById("h").innerHTML = "<h1 style=\"font-size: "+v+"px ; margin: 0px; color : "+color+"\"><b>
"+t+"</b></h1>";
if(v==50)
f = 0, t="TEXT-SHRINKING";
if(v==5)
f = 1, t="TEXT-GROWING";
c();
}
function c()
{
setTimeout(a,100);
}
c();
</script>
</body>
</html>
```

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**Output:**

TEXT-GROWING

TEXT-SHRINKING

**Conclusion:** The given javascript program was successfully written and executed