

Text growing and shrinking

AIM: To write a javascript code that displays text "BELIEVE IN YOURSELF" with increasing font size in the interval of 100ms in blue color, when the font size reaches 50pt it displays "BELIEVE IN YOURSELF" in black color, then the font size decreases to 5pt.

PROCEDURE:

STEP 1: Create HTML Structure: Start with an HTML document containing a div element with the id h. This div will hold the animated text.

STEP 2: Initialize Variables: In the <script> tag, declare variables v, f, t, and color:

v = 0 for the initial font size.

f = 1 to indicate the text is growing.

t = "TEXT-GROWING" for the text content.

color will be used to store the color of the text.

STEP 3: Define a() Function: Create the a() function to handle the text animation logic.

STEP 4: Check Growth Condition: Inside a(), check if f == 1: If true, increase v by 5 and set color to "red".

STEP 5: Check Shrinking Condition: If f != 1 (i.e., f == 0), decrease v by 5 and set color to "blue".

STEP 6: Update div Content: Use document.getElementById("h").innerHTML to update the div content with the new size, color, and text.

STEP 7: Check Max Size: Inside a(), check if v == 50 (max size): If true, set f = 0 to start shrinking and change t to " BELIEVE IN YOURSELF ".

STEP 8: Check Min Size: Check if v == 5 (min size): If true, set f = 1 to start growing and change t to " BELIEVE IN YOURSELF ".

STEP 9: Define c() Function: Create the c() function, which will call a() with a 300-millisecond delay using setTimeout.

STEP 10: Set Animation Loop: Inside c(), use setTimeout(a, 300) to ensure a() is called repeatedly.

STEP 11: Start Animation: Call the c() function once at the end of the script to start the animation loop.

STEP 12: Run Animation: The animation will now continuously grow and shrink the text, alternating between blue and black colors.

CODING:

TEXT FORMATTING

```
<html>

<body background="photo.jpg" style="background-repeat: no-repeat;
background-attachment: fixed;
background-size: 100% 100%;>

<><center><br><br><br><br><br><br><br><br> <div id="h"></div> <script>

var v = 0, f = 1,t="Text",color;

function a()

{

if(f==1)

v+=5,color="blue";

else

v-=5,color="black";

document.getElementById("h").innerHTML = "<h1 style=\"font-size: "+v+"px ; margin: 0px; color : "+color+"\"><b> "+t+"</b></h1>";

if(v==50)

f = 0, t="BELIEVE IN YOURSELF";

if(v==5)

f = 1, t="BELIEVE IN YOURSELF";

c(); }

function c()

{



setTimeout(a,300); }

c();

</script></center></body></html>
```

OUTPUT:

RESULT: Thus text growing and text shrinking are display in web browser by using Javascript.