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Batch: CSE, 6 'A'

Program - 03

AIM: In this program we make use of `setInterval()` and `clearInterval()`. `setInterval()` is used to continuously call a function (Decreasing and Increasing in this program) for every specified milliseconds (in program 100ms)

As soon as `clearInterval()` is called, it ends the specified `setInterval()` call. So in this program it calls Increasing function with text as "TEXT-^{GROWING}~~SHRINKING~~", with font size being increased by 5pt everytime its called and when it reaches 50pt, it calls Decreasing function, which displays "TEXT-SHRINKING", with font-size decreasing by 5pt until it reaches 5pt.

ALGORITHM :

Step 1 : Start

Step 2 : Open Any Text Editor. Open a file and save it with extension .html.

Step 3 : In html body include an empty paragraph with link with id "text"

Step 4: Include an internal javascript, which dynamically sets text of "text" id

Step 5: Accordingly define setInterval() and clearInterval()

Step 6: Set the css color and font-size in Increasing() and Decreasing() functions.

Step 7: Save and run the program

Step 8: End.

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1CR18CS021

CSE 'A'

CODE:

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>LabIAT-pRogram-03</title>
</head>

<body style="background-color: rgb(196, 190, 231)">
  <center>LabIAT-1CR18CS021-ANANYA</center>
  <a id="text" href="http://www.cmrit.ac.in"></a>
  <script type="text/javascript">
    var fs = 5;
    var inc = setInterval(Increasing, 100);
    var dec;
    function Increasing() {
      document.getElementById("text").innerHTML = "TEXT-GROWING";
      fs += 5;
      document.getElementById("text").setAttribute("style", "color:red;font-size:" + fs + "pt");
      if (fs == 50) {
        clearInterval(inc);
        dec = setInterval(Decreasing, 100);
      }
    }

    function Decreasing() {
      document.getElementById("text").innerHTML = "TEXT-SHRINKING";
      fs -= 5;
      document.getElementById("text").setAttribute("style", "color:green;font-size:" + fs + "pt");
      if (fs == 5) {
        clearInterval(dec);
      }
    }
  </script>
</body>
```

```
</html>
```

OUTPUT:



