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<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title>Growing and Shrinking text</title>
  </head>
  <body>
    <center>
      <div id="changing-text"></div>
    </center>

    <script src="prog3.js" charset="utf-8"></script>
  </body>
</html>

```

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let fontSize = 5;
let textState = "growing";
var text = document.getElementById('changing-text');

setInterval(changeText, 100);

function changeText() {
  console.log(textState == "growing");
  console.log(fontSize);

  if(textState == "growing") {
    if(fontSize > 50){
      textState = "shrinking";
    }
    else {
      text.style.fontSize = fontSize + "pt";
      text.style.color = "red";
      text.innerText = "Text Growing";
      fontSize += 1;
    }
  }

  if(textState == "shrinking") {
    if(fontSize < 5){
      textState = "growing";
    }
    else {
      text.style.fontSize = fontSize + "pt";
      text.style.color = "blue";
      text.innerText = "Text Shrinking";
      fontSize -= 1;
    }
  }
}

```