

# JavaScript (5A)

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- JavaScript

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Please send corrections (or suggestions) to [youngwlim@hotmail.com](mailto:youngwlim@hotmail.com).

This document was produced by using OpenOffice and Octave.

# Change CSS Style

```
<!DOCTYPE html>
<html>
<body>
<pre>
  if <span id="c1"> (x >= "90") </span> Grade = "A";
  else if <span id="c2"> (x >= "80") </span> Grade = "B";
  else if <span id="c3"> (x >= "70") </span> Grade = "C";
  else Grade = "D";
</pre>
```

```
</body>
</html>
```



```
<script>
function compGrade(x)
{
  var Grade="";
  if (x >= "90") { Grade = "A";
    document.getElementById("c1").style.background="red";
  } else if (x >= "80") { Grade = "B";
    document.getElementById("c2").style.background="green";
  } else if (x >= "70") { Grade = "C";
    document.getElementById("c3").style.background="blue";
  } else Grade = "D";
  document.write("<p> Grade " + x + "--> " + Grade + "</p>");
}

var x = prompt("Grade ? ", "100");
compGrade(x);
</script>
```

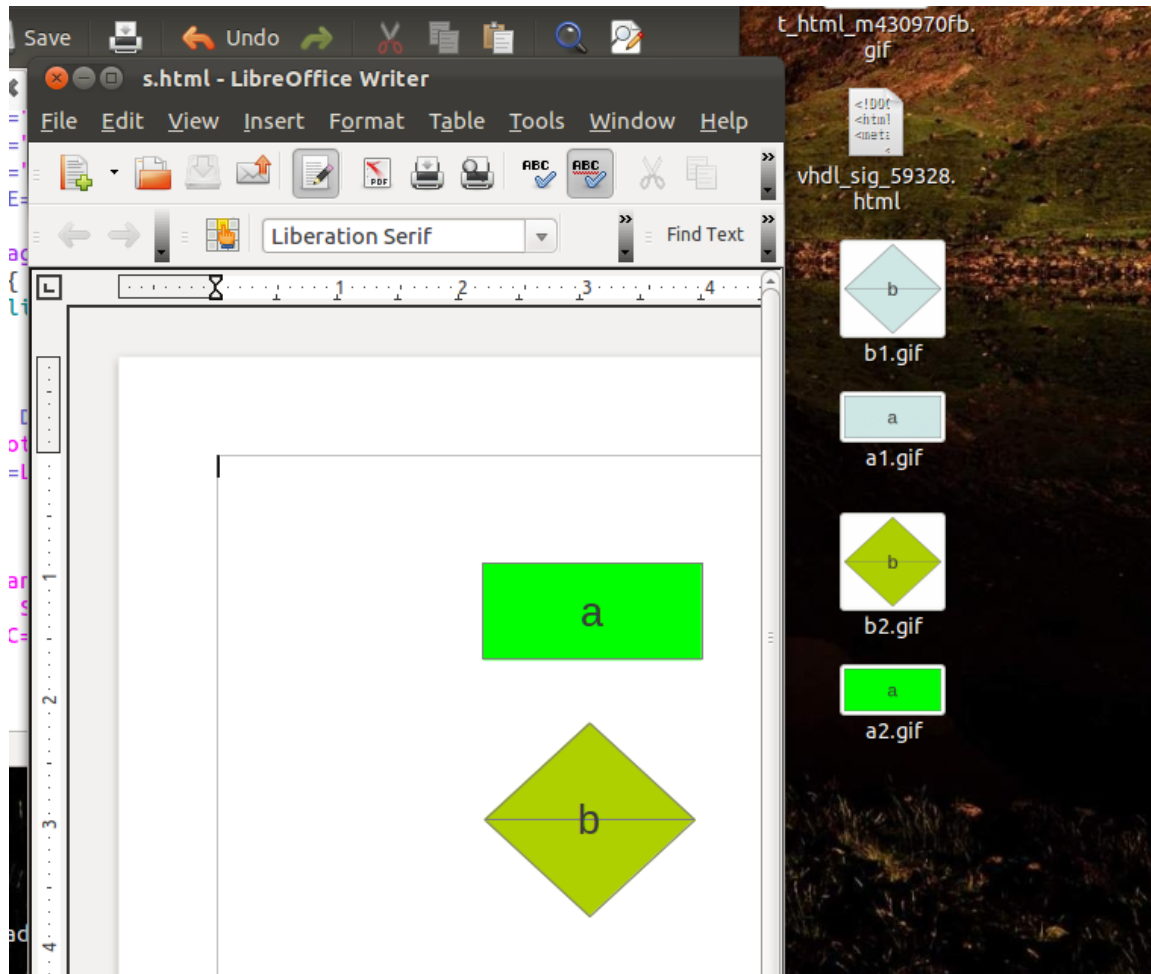
# Attribute Node

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">
<HTML>
<HEAD>
  <META HTTP-EQUIV="CONTENT-TYPE" CONTENT="text/html; charset=utf-8">
  <TITLE></TITLE>

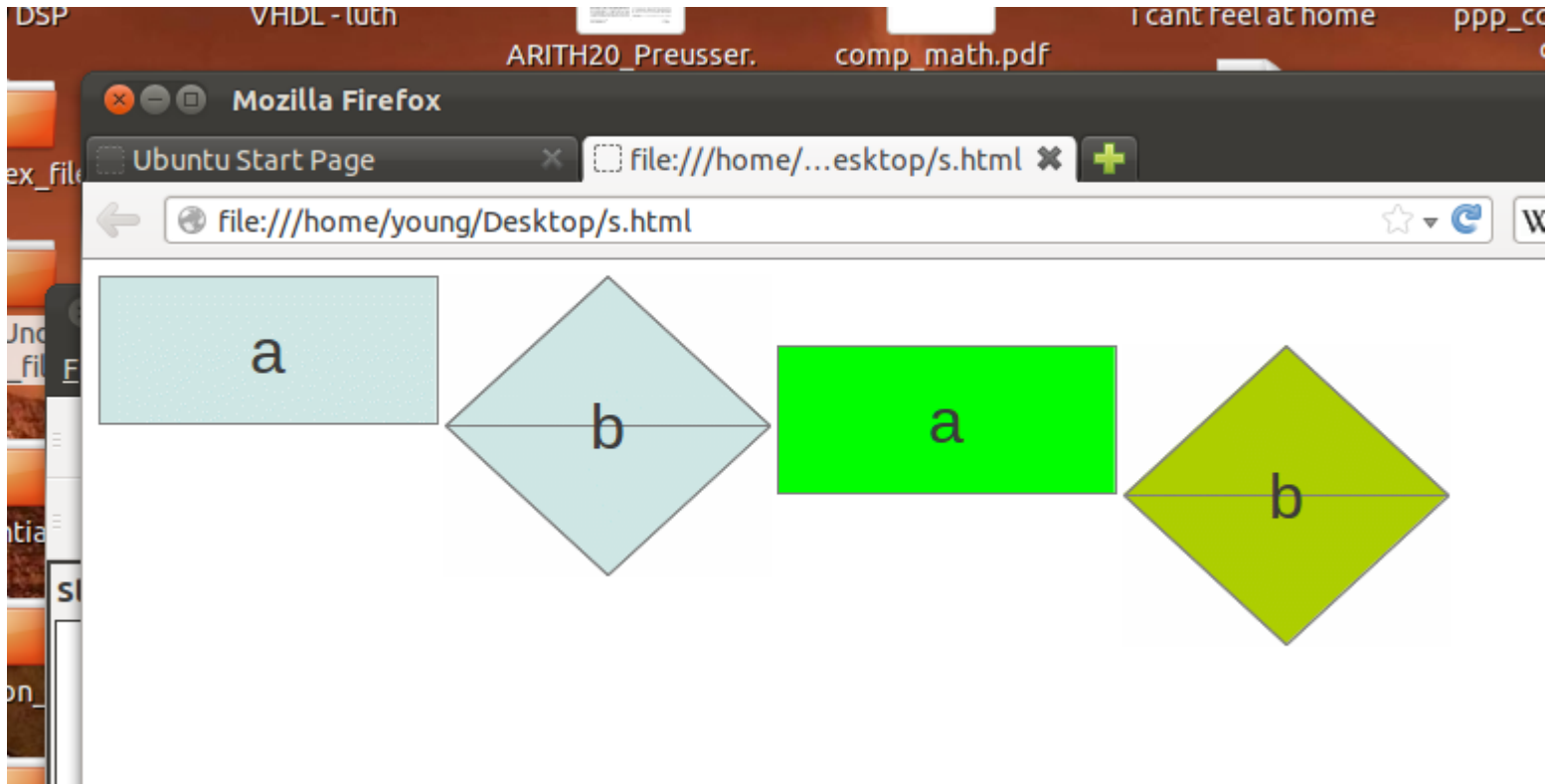
  <STYLE TYPE="text/css">
  <!--
    @page { margin: 0.79in }
    P { margin-bottom: 0.08in }
    A:link { so-language: zxx }
  -->
  </STYLE>
</HEAD>
<BODY LANG="en-US" DIR="LTR">
<P STYLE="margin-bottom: 0in"><IMG SRC="a1.gif" ALIGN=LEFT>
<IMG SRC="b1.gif" ALIGN=LEFT><BR>
</P>

<script>
var x = prompt("change color","y");
document.write("<P STYLE=\"margin-bottom: 0in\"><IMG SRC=\"a2.gif\" ALIGN=LEFT>
<IMG SRC=\"b2.gif\" ALIGN=LEFT><BR>");
</script>
</P>
</BODY>
</HTML>
```

# Use OpenOffice Write



# HTML file



# Infinite Loop Implementation

```
<script>

function change()
{

    var Ex = 0;
    var i = 0;

    while (1) {
        Ex = prompt("Exit ? ", "1");
        document.write("<p> index i= " + i + " exit= " + Ex + "</p>");
        if (Ex != "0") break;
        i = (i+1) % 3;
    }
}

change();

</script>
```

# Event Handler Implementation

```
<script>
var Ex =0; // global variable
var i = 0; // global variable

function change()
{
  i = (i+1) % 3;
  document.f.n.value= "Next " + i;
  document.f.e.value= "Exit " + Ex;
}

function SetEx()
{ Ex = 1; }

</script>

<form name="f">
  <input type="button" name="n" value="Next" onclick="change()">
  <input type="button" name="e" value="Exit" onclick="SetEx()">
</form>
```



# Reference

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## References

- [1] <http://en.wikipedia.org/>
- [2] <http://www.w3schools.com/>
- [3] K.H. Koh, HTML, CSS, Javascript (in Korean)