* 1. **OBJECTIVE:**

**Write an HTML page including any required JavaScript that takes a number from one text**

**field in the range of 0 to 999 and shows it in a another text field in words. If the number is**

**out of range, it should show “out of range” and if it is not a number, it should show**

**“not a number” message in the result box.**

**SOURCE CODE:**

<html>

<head>

<script type="text/javascript">

var th = ['','thousand','million', 'billion','trillion'];

var dg=['zero','one','two','three','four','five','six','seven','eight','nine'];

var tn=['ten','eleven','twelve','thirteen','fourteen','fifteen','sixteen','seventeen','eighteen','nineteen'];

var tw=['twenty','thirty','forty','fifty','sixty','seventy','eighty','ninety'];

function change()

{

var numString=document.getElementById('anumber').value;

var output=towords(numString);

document.getElementById('aresult').value=output;

}

function towords(s)

{

s = s.toString();

if (s != parseFloat(s)) return 'not a number';

var x = s.indexOf('.');

if (x == -1) x = s.length;

if (x > 3) return 'too big';

var n = s.split('');

var str = '';

var sk = 0;

for (var i=0; i < x; i++)

{

if ((x-i)%3==2)

{

if (n[i] == '1')

{

str += tn[Number(n[i+1])] + ' ';

i++;

sk=1;

}

else if (n[i]!=0)

{

str += tw[n[i]-2] + ' ';

sk=1;

}

}

else if (n[i]!=0)

{

str += dg[n[i]] +' ';

if ((x-i)%3==0) str += 'hundred ';

sk=1;

}

if ((x-i)%3==1)

{

if (sk) str += th[(x-i-1)/3] + ' ';

sk=0;

}

}

return str;

}

</script>

</head>

<body>

<form>

enter a number<input type="text" id="anumber">

<input type="button" value='convert to words' onClick="change()">

<input type="text" size="40" id="aresult">

</form>

</body>

</html>

