

# HTML/CSS/Javascript プログラミング解答

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## 1 課題 1

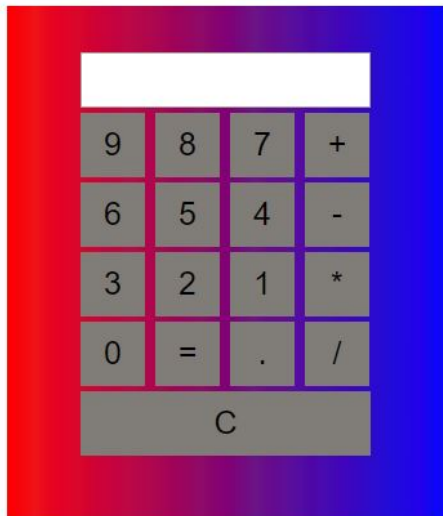


Figure 1: HTML,CSS,Javascript の電卓

図 1 の電卓のコードは以下に書かれています。

```
<html>
<head>

<script type = "text/javascript">

function displaynum(n1)
{
document.calculator.screen1.value=calculator.screen1.value+n1;
}

function solve()
{
document.calculator.screen1.value=eval(calculator.screen1.value);
}

function cl()
{
document.calculator.screen1.value="";
}
</script>
<style>
```

```

        .button{
            width:50;
            height:50;
            font-size:25;
            margin:2;
            background:grey;
            border:none;
        }
        .textview{
            width:225;
            margin:2;
            font-size:25;
            padding:5;
        }
        .main{
            position:absolute;
            top:25%;
            left:9%;
        }
        .bg{
            position:absolute;
            background:linear-gradient(to right,red,blue);
            height:60%;
            width:25%;
            left:5%;
            top:20%;
        }
    </style>
</head>

<body>
<div class="bg"></div>
<div class ="main">
<form name =calculator>
<input type=textview class=textview name = screen1 style = "text-align:right" disabled><br>
<input type=button class=button name = btn9 value =9 onclick ="displaynum(btn9.value)">
<input type=button class=button name = btn8 value =8 onclick ="displaynum(btn8.value)">
<input type=button class=button name = btn7 value =7 onclick ="displaynum(btn7.value)">
<input type=button class=button name = btnpls value=+ onclick ="displaynum(btnpls.value)"><br>
<input type=button class=button name = btn6 value =6 onclick ="displaynum(btn6.value)">
<input type=button class=button name = btn5 value =5 onclick ="displaynum(btn5.value)">
<input type=button class=button name = btn4 value =4 onclick ="displaynum(btn4.value)">
<input type=button class=button name = btnmin value = - onclick ="displaynum(btnmin.value)">
<input type=button class=button name = btn3 value =3 onclick ="displaynum(btn3.value)">
<input type=button class=button name = btn2 value =2 onclick ="displaynum(btn2.value)">

```

```

<input type=button class=button name = btn1 value =1 onclick ="displaynum(btn1.value)">
<input type=button class=button name = btnmul value =* onclick ="displaynum(btnmul.value)">
<input type=button class=button name = btn0 value =0 onclick ="displaynum(btn0.value)">
<input type=button class=button name = btneq value == onclick ="solve()">
<input type=button class=button name = btndot value =. onclick ="displaynum(btndot.value)">
<input type=button class=button name = btndiv value= / onclick ="displaynum(btndiv.value)">
<input type=button class=button name = btnclr value= C style="width:225" onclick ="cl()">

</form>
</body>
</html>

```

## 2 課題 2

```

function rotate(x,y,deg) {
rad = deg * Math.PI / 180;
yp = y*Math.cos(rad) - x*Math.sin(rad);
xp = y*Math.sin(rad) + x*Math.cos(rad);
    return [yp,xp];
}

```