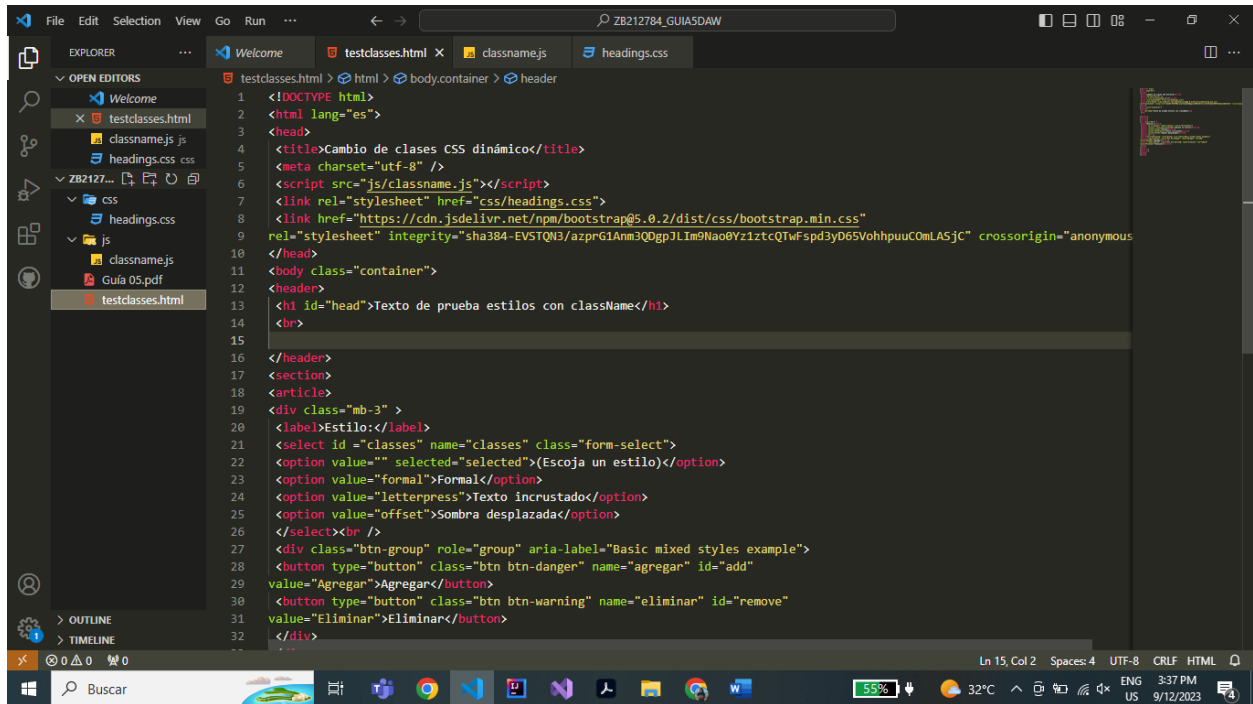


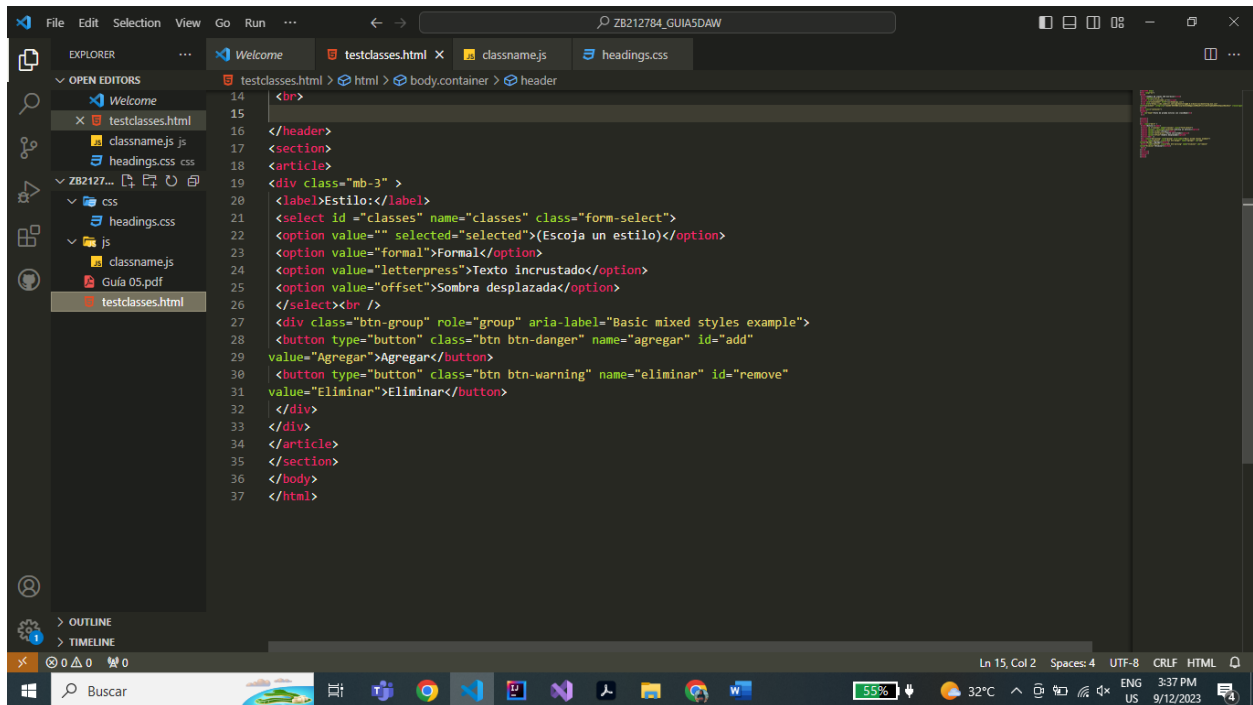
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ZB212784

## EJERCICIO 1



This screenshot shows the VS Code editor with the file 'testclasses.html' open. The Explorer sidebar on the left shows the project structure with files like 'testclasses.html', 'classname.js', 'headings.css', and 'ZB2127...'. The main editor area displays the HTML code from line 1 to 32. The code includes a DOCTYPE declaration, a meta charset, a script for 'classname.js', and a link to 'headings.css'. The body contains a container with a header, a section, and an article. The article has a form with a select element and two buttons: 'Agregar' and 'Eliminar'.

```
1 <!DOCTYPE html>
2 <html lang="es">
3 <head>
4 <title>Cambio de clases CSS dinámico</title>
5 <meta charset="utf-8" />
6 <script src="js/classname.js"></script>
7 <link rel="stylesheet" href="css/headings.css">
8 <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
9 rel="stylesheet" integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwfspd3yD65VohhpuuComLAsjC" crossorigin="anonymous"
10 />
11 <body class="container">
12 <header>
13 <h1 id="head">Texto de prueba estilos con className</h1>
14 <br>
15 </header>
16 <section>
17 <article>
18 <div class="mb-3">
19 <label>Estilo:</label>
20 <select id="classes" name="classes" class="form-select">
21 <option value="" selected="selected">(Escoja un estilo)</option>
22 <option value="formal">Formal</option>
23 <option value="letterpress">Texto incrustado</option>
24 <option value="offset">Sombra desplazada</option>
25 </select><br />
26 <div class="btn-group" role="group" aria-label="Basic mixed styles example">
27 <button type="button" class="btn btn-danger" name="agregar" id="add"
28 value="Agregar">Agregar</button>
29 <button type="button" class="btn btn-warning" name="eliminar" id="remove"
30 value="Eliminar">Eliminar</button>
31 </div>
32 </article>
33 </section>
34 </body>
35 </html>
```

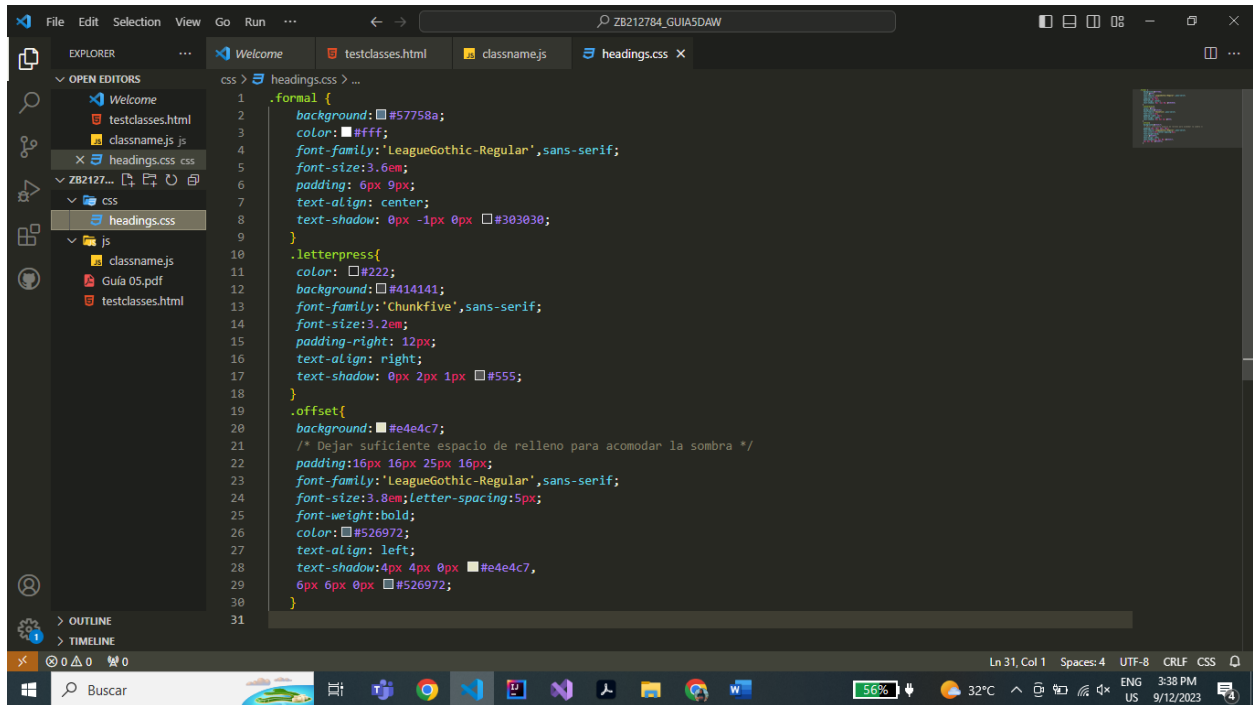


This screenshot shows the VS Code editor with the file 'testclasses.html' open, displaying the code from line 14 to 37. The code continues from the previous screenshot, showing the closing tags for the header, section, article, div, and the final closing tags for the body and html.

```
14 <br>
15 </header>
16 <section>
17 <article>
18 <div class="mb-3">
19 <label>Estilo:</label>
20 <select id="classes" name="classes" class="form-select">
21 <option value="" selected="selected">(Escoja un estilo)</option>
22 <option value="formal">Formal</option>
23 <option value="letterpress">Texto incrustado</option>
24 <option value="offset">Sombra desplazada</option>
25 </select><br />
26 <div class="btn-group" role="group" aria-label="Basic mixed styles example">
27 <button type="button" class="btn btn-danger" name="agregar" id="add"
28 value="Agregar">Agregar</button>
29 <button type="button" class="btn btn-warning" name="eliminar" id="remove"
30 value="Eliminar">Eliminar</button>
31 </div>
32 </article>
33 </section>
34 </body>
35 </html>
```

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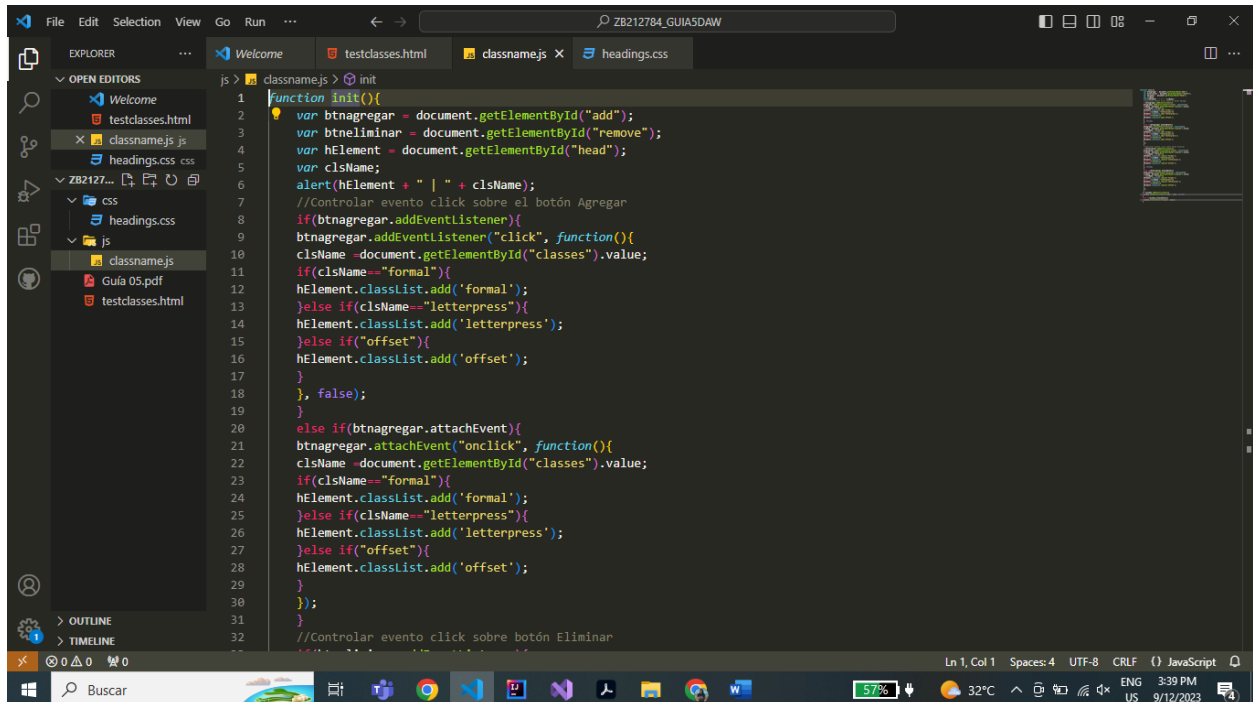
## CSS



The screenshot shows the Visual Studio Code editor with the file explorer on the left. The 'OPEN EDITORS' pane shows 'headings.css' selected. The main editor area displays the following CSS code:

```
1 .formal {
2   background: #57758a;
3   color: #fff;
4   font-family: 'LeagueGothic-Regular', sans-serif;
5   font-size: 3.6em;
6   padding: 6px 9px;
7   text-align: center;
8   text-shadow: 0px -1px 0px #303030;
9 }
10
11 .letterpress{
12   color: #222;
13   background: #414141;
14   font-family: 'Chunkfive', sans-serif;
15   font-size: 3.2em;
16   padding-right: 12px;
17   text-align: right;
18   text-shadow: 0px 2px 1px #555;
19 }
20
21 .offset{
22   background: #e4e4c7;
23   /* Dejar suficiente espacio de relleno para acomodar la sombra */
24   padding: 16px 16px 25px 16px;
25   font-family: 'LeagueGothic-Regular', sans-serif;
26   font-size: 3.8em; letter-spacing: 5px;
27   font-weight: bold;
28   color: #526972;
29   text-align: left;
30   text-shadow: 4px 4px 0px #e4e4c7,
31   6px 6px 0px #526972;
32 }
```

## JS

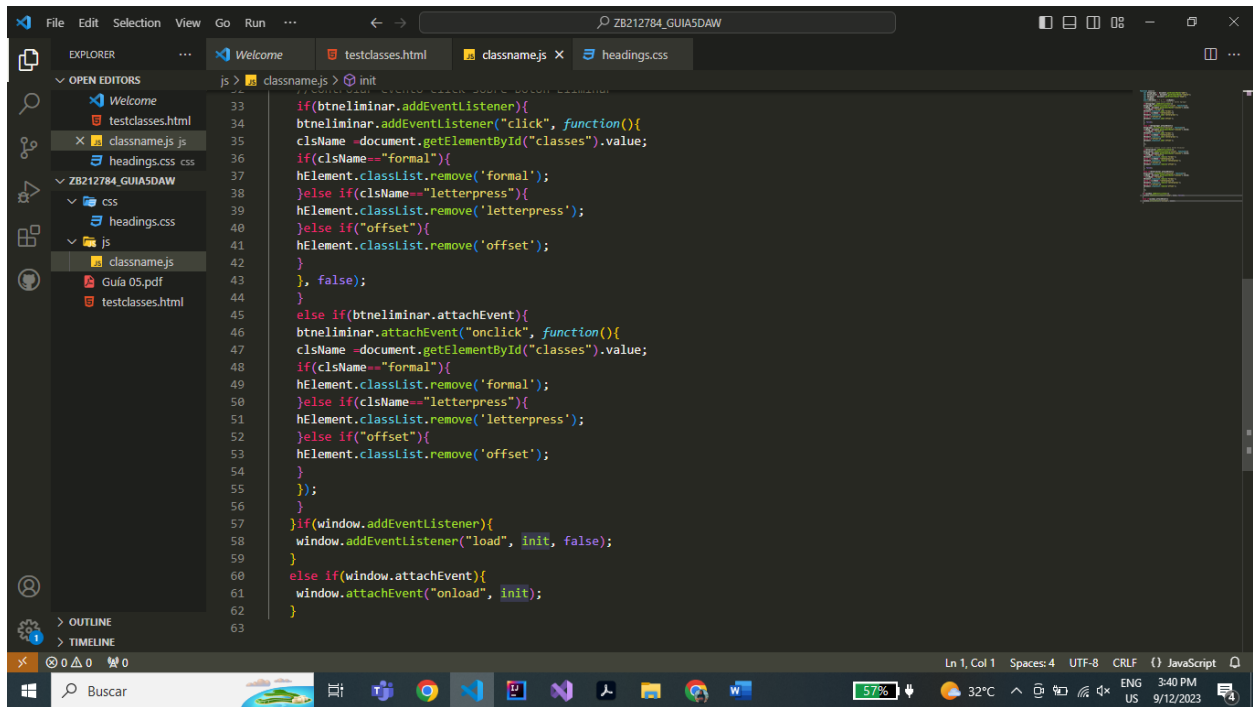


The screenshot shows the Visual Studio Code editor with the file explorer on the left. The 'OPEN EDITORS' pane shows 'classnames.js' selected. The main editor area displays the following JavaScript code:

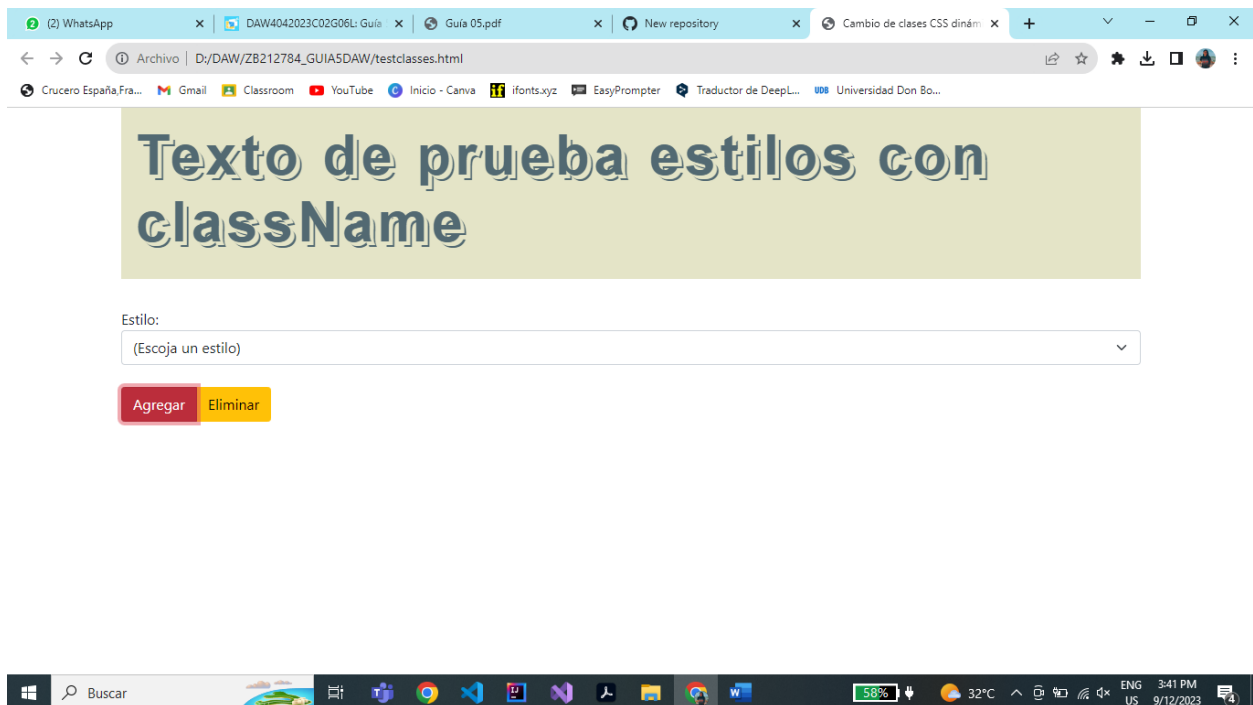
```
1 function init(){
2   var btnagregar = document.getElementById("add");
3   var btneliminar = document.getElementById("remove");
4   var hElement = document.getElementById("head");
5   var clsName;
6   alert(hElement + " | " + clsName);
7   //Controlar evento click sobre el botón Agregar
8   if(btnagregar.addEventListener){
9     btnagregar.addEventListener("click", function(){
10       clsName = document.getElementById("classes").value;
11       if(clsName=="formal"){
12         hElement.classList.add('formal');
13       }else if(clsName=="letterpress"){
14         hElement.classList.add('letterpress');
15       }else if(clsName=="offset"){
16         hElement.classList.add('offset');
17       }
18     }, false);
19   }
20   else if(btnagregar.attachEvent){
21     btnagregar.attachEvent("onclick", function(){
22       clsName = document.getElementById("classes").value;
23       if(clsName=="formal"){
24         hElement.classList.add('formal');
25       }else if(clsName=="letterpress"){
26         hElement.classList.add('letterpress');
27       }else if(clsName=="offset"){
28         hElement.classList.add('offset');
29       }
30     });
31   }
32   //Controlar evento click sobre botón Eliminar
```

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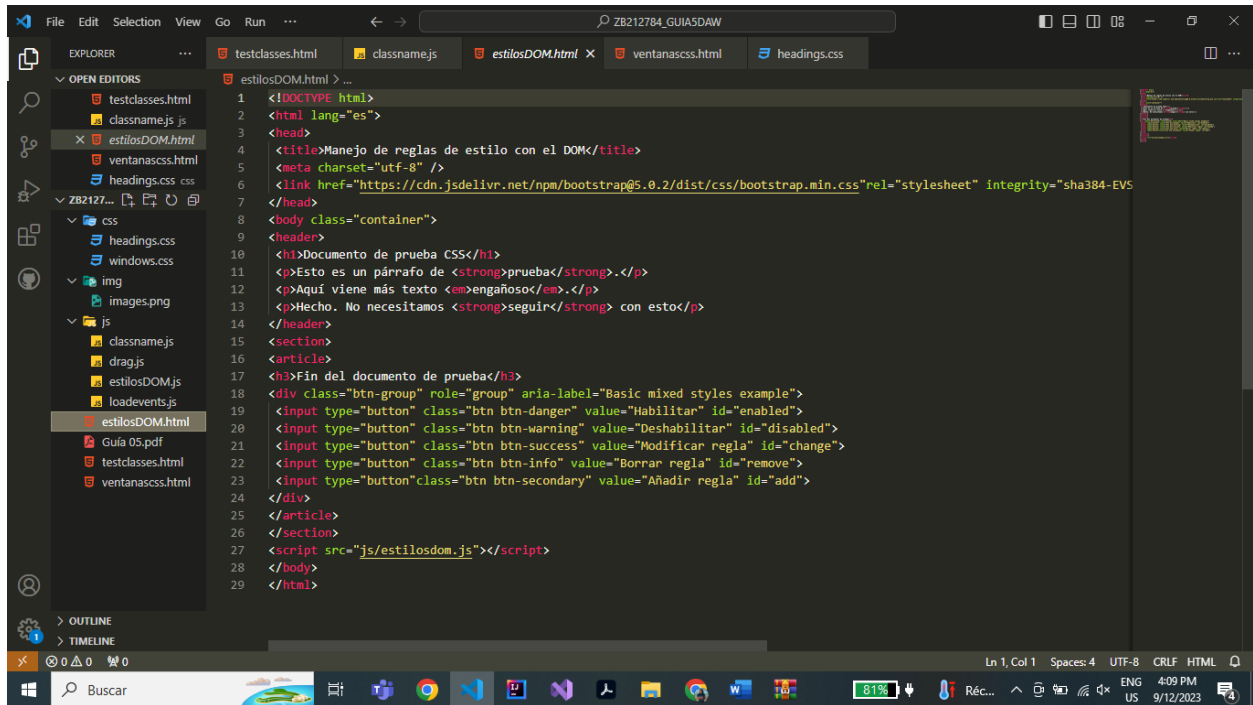
```
33 //funcion para eliminar el boton eliminar
34
35 if(btneliminar.addEventListener){
36   btneliminar.addEventListener("click", function(){
37     clsName =document.getElementById("classes").value;
38     if(clsName=="formal"){
39       hElement.classList.remove('formal');
40     }else if(clsName=="letterpress"){
41       hElement.classList.remove('letterpress');
42     }else if("offset"){
43       hElement.classList.remove('offset');
44     }
45   }, false);
46 }
47
48 else if(btneliminar.attachEvent){
49   btneliminar.attachEvent("onclick", function(){
50     clsName =document.getElementById("classes").value;
51     if(clsName=="formal"){
52       hElement.classList.remove('formal');
53     }else if(clsName=="letterpress"){
54       hElement.classList.remove('letterpress');
55     }else if("offset"){
56       hElement.classList.remove('offset');
57     }
58   });
59 }
60
61 if(window.addEventListener){
62   window.addEventListener("load", init, false);
63 }
64
65 else if(window.attachEvent){
66   window.attachEvent("onload", init);
67 }
```



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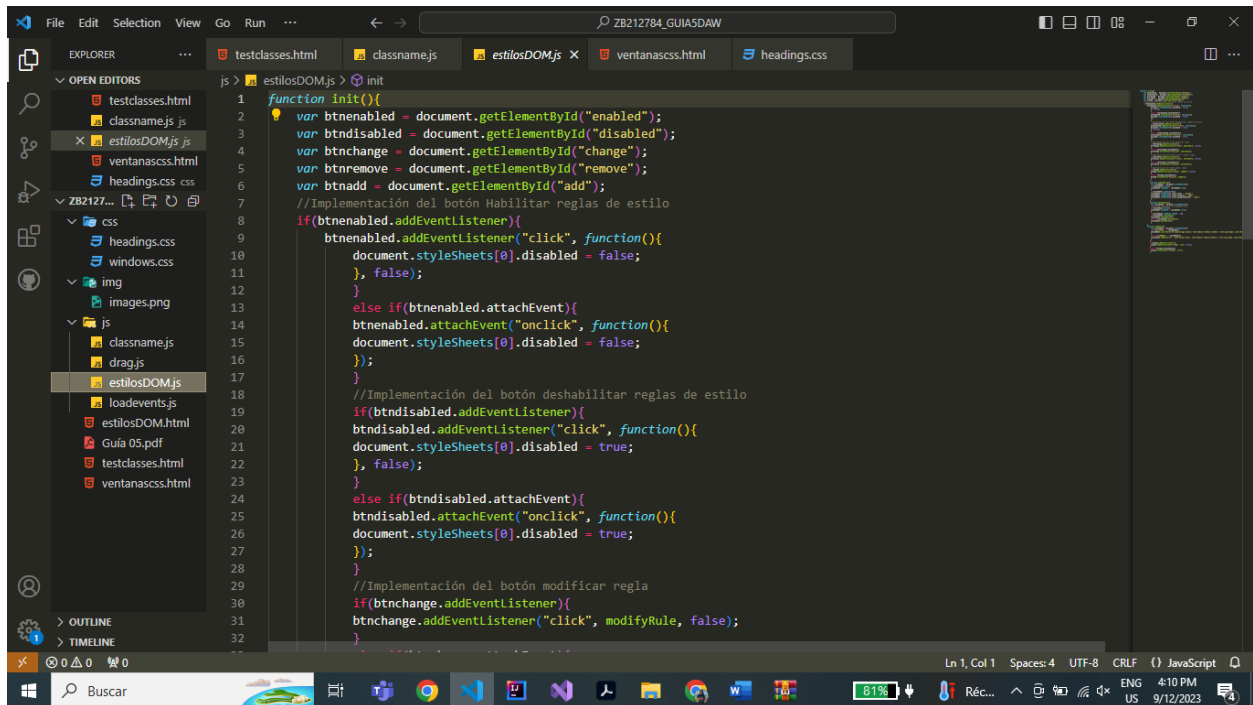
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## EJERCICIO 2



The screenshot shows the Visual Studio Code editor with the file 'estilosDOM.html' open. The Explorer sidebar on the left shows the project structure with files like 'testclasses.html', 'classname.js', 'estilosDOM.html', 'ventanas.css', 'headings.css', 'css', 'img', 'images.png', 'js', 'classname.js', 'drag.js', 'estilosDOM.js', 'loadevents.js', 'Guia 05.pdf', 'testclasses.html', and 'ventanas.css.html'. The main editor area displays the HTML code for 'estilosDOM.html', which includes a DOCTYPE declaration, a title 'Manejo de reglas de estilo con el DOM', a meta charset, a link to Bootstrap CSS, and a body with a container class. The body contains a header with a document title, a paragraph with a strong tag, a paragraph with an em tag, a paragraph with a strong tag, and a section with an article. The article contains a div with a class 'btn-group' and five buttons: 'Habilitar', 'Deshabilitar', 'Modificar regla', 'Borrar regla', and 'Añadir regla'. The buttons have different classes and values. The code ends with a script tag for 'js/estilosdom.js'.

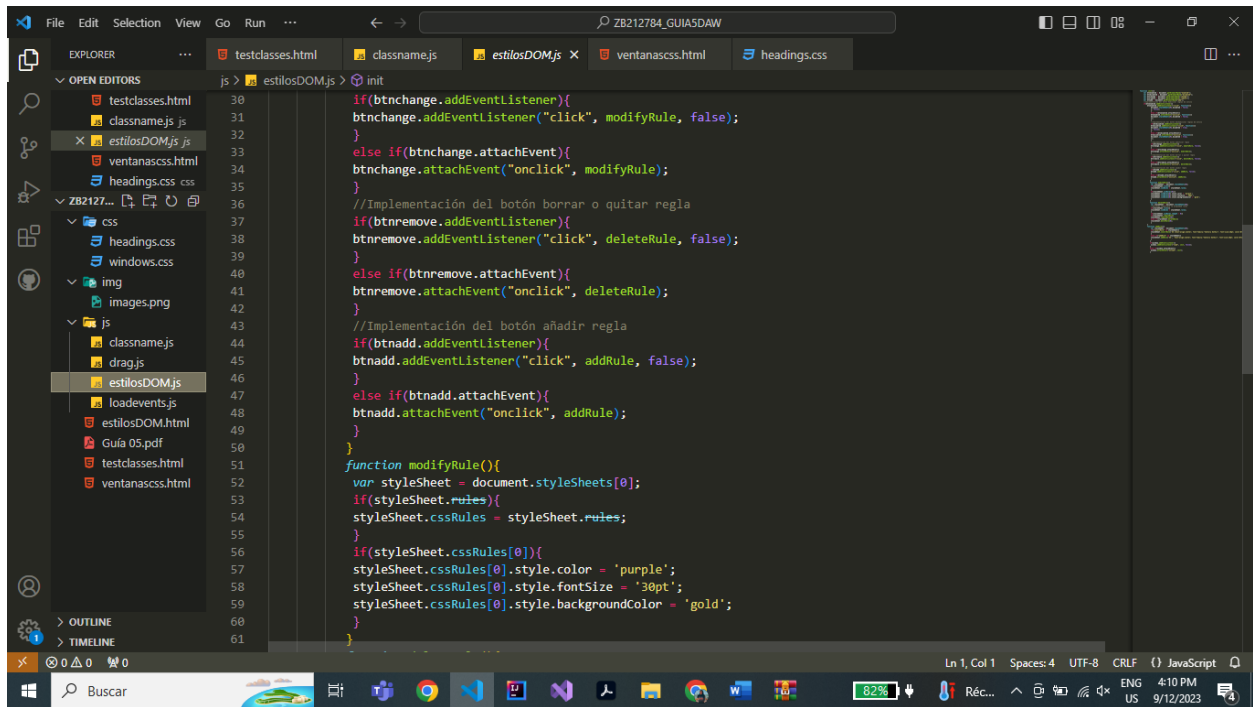
Js



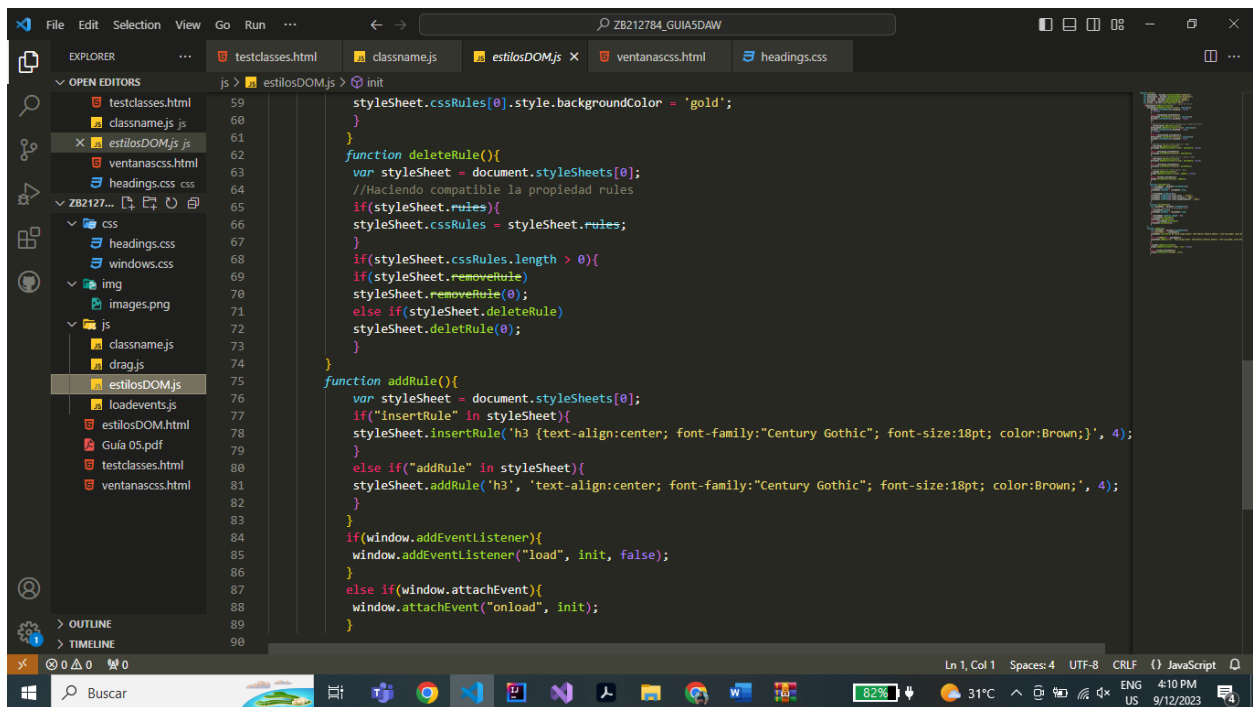
The screenshot shows the Visual Studio Code editor with the file 'estilosDOM.js' open. The Explorer sidebar on the left shows the project structure with files like 'testclasses.html', 'classname.js', 'estilosDOM.js', 'ventanas.css', 'headings.css', 'css', 'img', 'images.png', 'js', 'classname.js', 'drag.js', 'estilosDOM.js', 'loadevents.js', 'Guia 05.pdf', 'testclasses.html', and 'ventanas.css.html'. The main editor area displays the JavaScript code for 'estilosDOM.js', which starts with a function 'init()' that initializes several variables: 'btneabled', 'btndisabled', 'btncchange', 'btnremove', and 'btnadd'. These variables are assigned to the 'document.getElementById()' method with their respective IDs. The code then implements event listeners for each button. For 'btneabled', it adds a 'click' event listener that sets 'document.styleSheets[0].disabled' to 'false'. For 'btndisabled', it adds a 'click' event listener that sets 'document.styleSheets[0].disabled' to 'true'. For 'btncchange', it adds a 'click' event listener that calls 'modifyRule' and sets 'false'. The code ends with a closing tag for the 'init' function.

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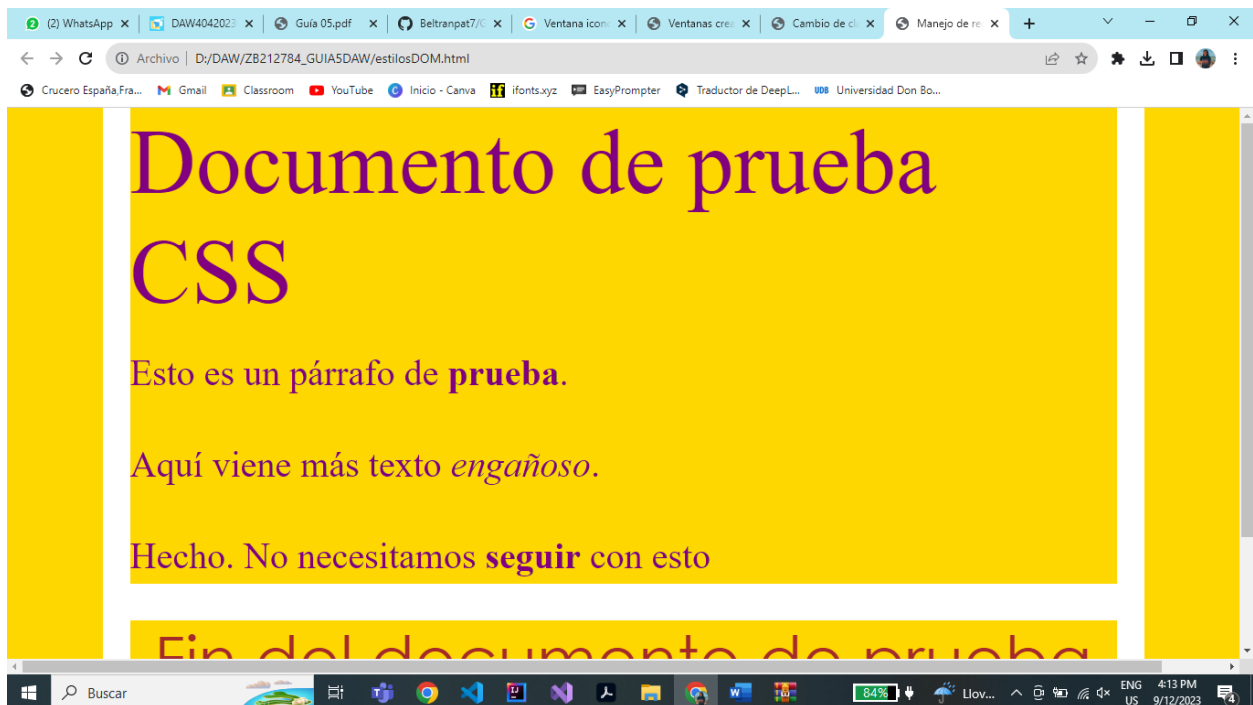


```
File Edit Selection View Go Run ... ZB212784_GUIA5DAW
EXPLORER testclasses.html classname.js estilosDOM.js X ventanascss.html headings.css
OPEN EDITORS
testclasses.html
classname.js
estilosDOM.js
ventanascss.html
headings.css
css
headings.css
windows.css
img
images.png
js
classname.js
drag.js
estilosDOM.js
loadevents.js
estilosDOM.html
Gula 05.pdf
testclasses.html
ventanascss.html
js > estilosDOM.js > init
30 if(btnchange.addEventListener){
31 btnchange.addEventListener("click", modifyRule, false);
32 }
33 else if(btnchange.attachEvent){
34 btnchange.attachEvent("onclick", modifyRule);
35 }
36 //Implementación del botón borrar o quitar regla
37 if(btnremove.addEventListener){
38 btnremove.addEventListener("click", deleteRule, false);
39 }
40 else if(btnremove.attachEvent){
41 btnremove.attachEvent("onclick", deleteRule);
42 }
43 //Implementación del botón añadir regla
44 if(btnadd.addEventListener){
45 btnadd.addEventListener("click", addRule, false);
46 }
47 else if(btnadd.attachEvent){
48 btnadd.attachEvent("onclick", addRule);
49 }
50 }
51 function modifyRule(){
52 var styleSheet = document.styleSheets[0];
53 if(styleSheet.rules){
54 styleSheet.cssRules = styleSheet.rules;
55 }
56 if(styleSheet.cssRules[0]){
57 styleSheet.cssRules[0].style.color = 'purple';
58 styleSheet.cssRules[0].style.fontSize = '30pt';
59 styleSheet.cssRules[0].style.backgroundColor = 'gold';
60 }
61 }
```

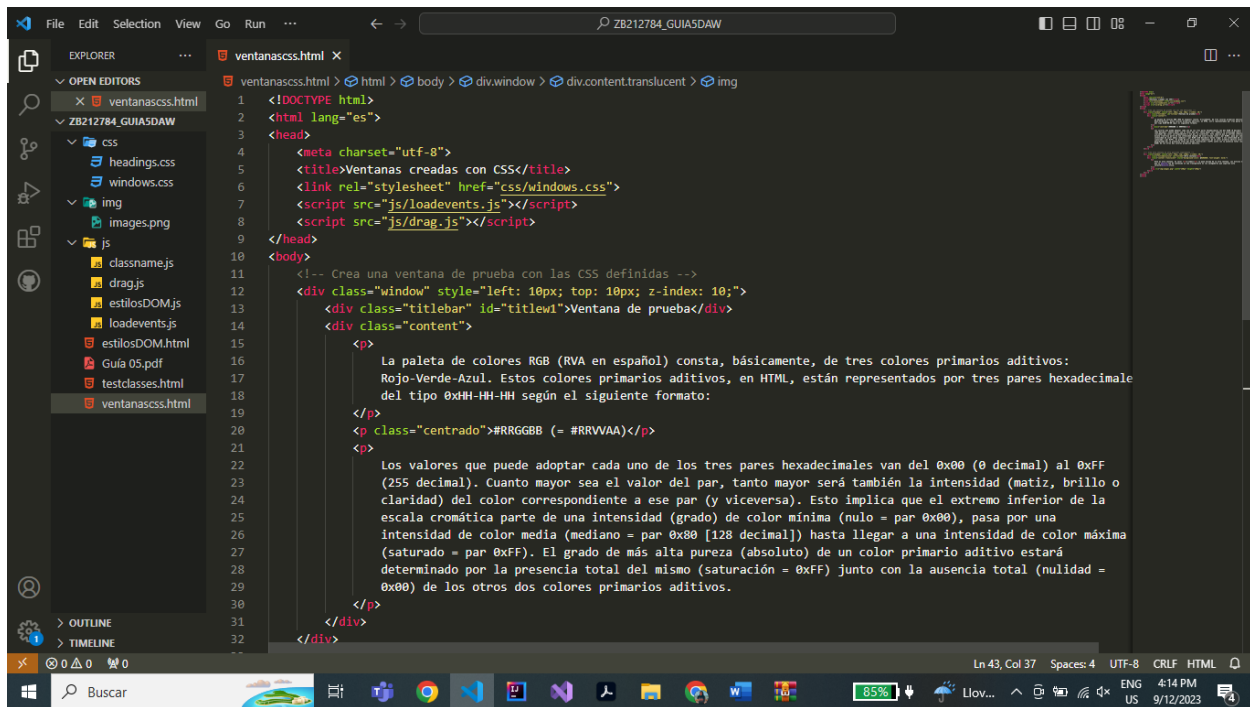


```
File Edit Selection View Go Run ... ZB212784_GUIA5DAW
EXPLORER testclasses.html classname.js estilosDOM.js X ventanascss.html headings.css
OPEN EDITORS
testclasses.html
classname.js
estilosDOM.js
ventanascss.html
headings.css
css
headings.css
windows.css
img
images.png
js
classname.js
drag.js
estilosDOM.js
loadevents.js
estilosDOM.html
Gula 05.pdf
testclasses.html
ventanascss.html
js > estilosDOM.js > init
59 styleSheet.cssRules[0].style.backgroundColor = 'gold';
60 }
61 }
62 function deleteRule(){
63 var styleSheet = document.styleSheets[0];
64 //Haciendo compatible la propiedad rules
65 if(styleSheet.rules){
66 styleSheet.cssRules = styleSheet.rules;
67 }
68 if(styleSheet.cssRules.length > 0){
69 if(styleSheet.removeRule){
70 styleSheet.removeRule(0);
71 }
72 else if(styleSheet.deleteRule){
73 styleSheet.deleteRule(0);
74 }
75 }
76 function addRule(){
77 var styleSheet = document.styleSheets[0];
78 if("insertRule" in styleSheet){
79 styleSheet.insertRule('h3 {text-align:center; font-family:"Century Gothic"; font-size:18pt; color:Brown;}', 4);
80 }
81 else if("addRule" in styleSheet){
82 styleSheet.addRule('h3', 'text-align:center; font-family:"Century Gothic"; font-size:18pt; color:Brown;', 4);
83 }
84 }
85 if(window.addEventListener){
86 window.addEventListener("load", init, false);
87 }
88 else if(window.attachEvent){
89 window.attachEvent("onload", init);
90 }
```

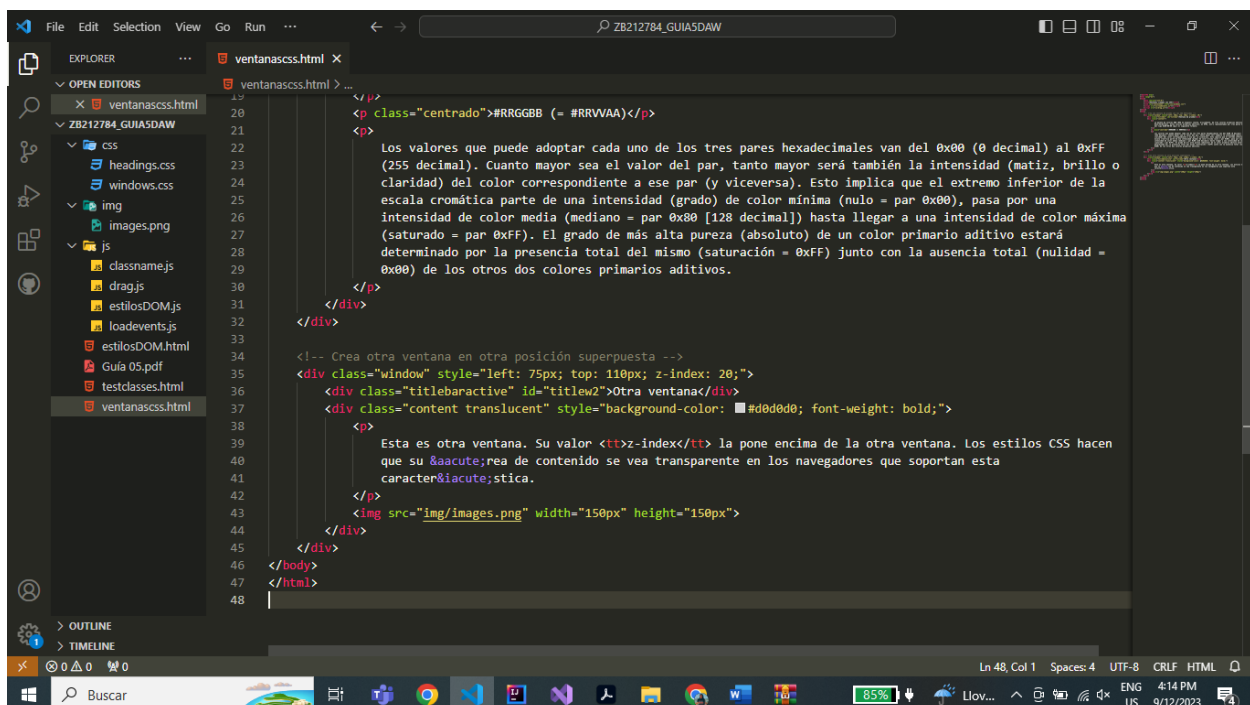
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## EJERCICIO 3



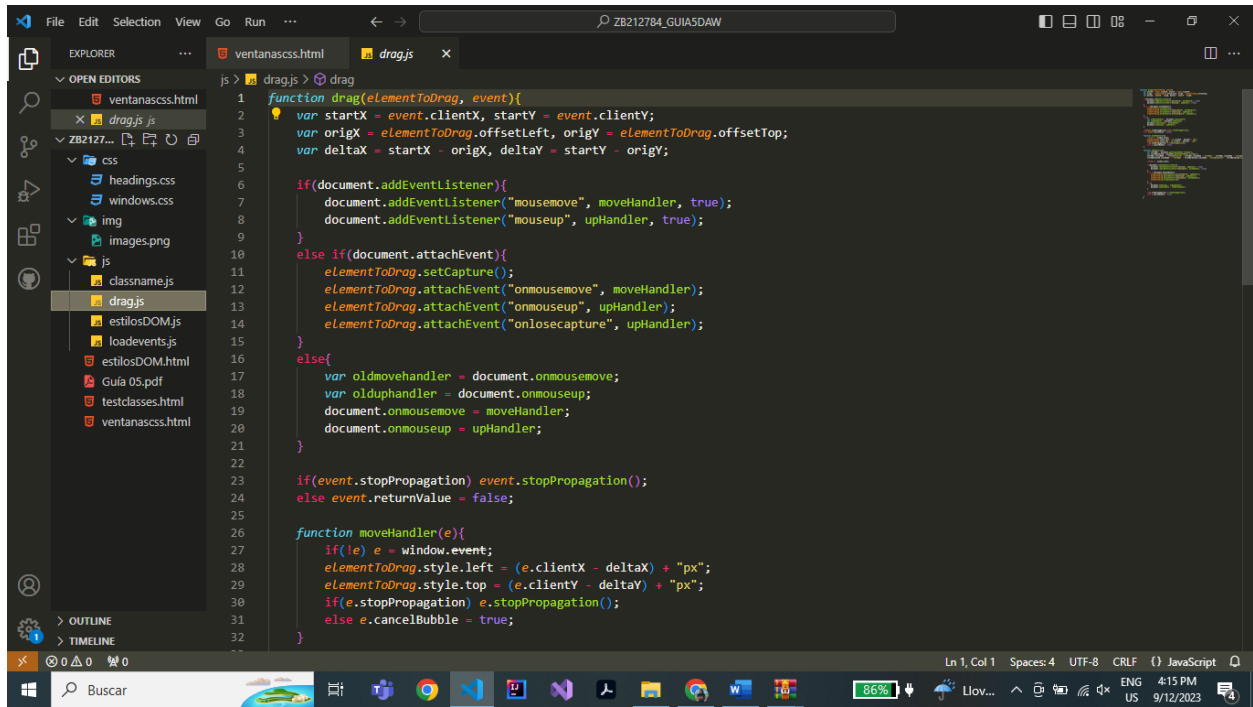
```
1 <!DOCTYPE html>
2 <html lang="es">
3 <head>
4   <meta charset="utf-8">
5   <title>Ventanas creadas con CSS</title>
6   <link rel="stylesheet" href="css/windows.css">
7   <script src="js/loadevents.js"></script>
8   <script src="js/drag.js"></script>
9 </head>
10 <body>
11   <!-- Crea una ventana de prueba con las CSS definidas -->
12   <div class="window" style="left: 10px; top: 10px; z-index: 10;">
13     <div class="titlebar" id="titlew1">Ventana de prueba</div>
14     <div class="content">
15       <p>
16         La paleta de colores RGB (RVA en español) consta, básicamente, de tres colores primarios aditivos:
17         Rojo-Verde-Azul. Estos colores primarios aditivos, en HTML, están representados por tres pares hexadecimales
18         del tipo 0xHH-HH-HH según el siguiente formato:
19       </p>
20       <p class="centrado">#RRGGBB (= #RRVVAA)</p>
21       <p>
22         Los valores que puede adoptar cada uno de los tres pares hexadecimales van del 0x00 (0 decimal) al 0xFF
23         (255 decimal). Cuanto mayor sea el valor del par, tanto mayor será también la intensidad (matiz, brillo o
24         claridad) del color correspondiente a ese par (y viceversa). Esto implica que el extremo inferior de la
25         escala cromática parte de una intensidad (grado) de color mínima (nulo = par 0x00), pasa por una
26         intensidad de color media (mediano = par 0x80 [128 decimal]) hasta llegar a una intensidad de color máxima
27         (saturado = par 0xFF). El grado de más alta pureza (absoluto) de un color primario aditivo estará
28         determinado por la presencia total del mismo (saturación = 0xFF) junto con la ausencia total (nulidad =
29         0x00) de los otros dos colores primarios aditivos.
30       </p>
31     </div>
32   </div>
```



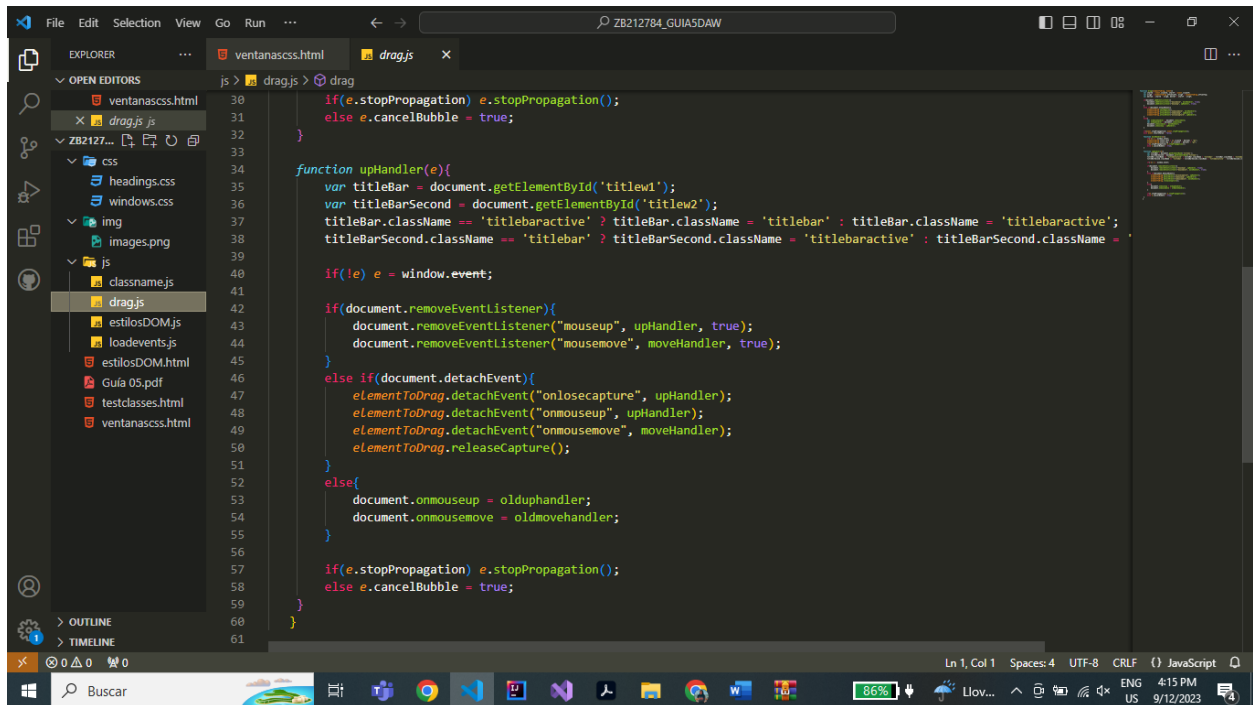
```
20 </p>
21 <p class="centrado">#RRGGBB (= #RRVVAA)</p>
22 <p>
23   Los valores que puede adoptar cada uno de los tres pares hexadecimales van del 0x00 (0 decimal) al 0xFF
24   (255 decimal). Cuanto mayor sea el valor del par, tanto mayor será también la intensidad (matiz, brillo o
25   claridad) del color correspondiente a ese par (y viceversa). Esto implica que el extremo inferior de la
26   escala cromática parte de una intensidad (grado) de color mínima (nulo = par 0x00), pasa por una
27   intensidad de color media (mediano = par 0x80 [128 decimal]) hasta llegar a una intensidad de color máxima
28   (saturado = par 0xFF). El grado de más alta pureza (absoluto) de un color primario aditivo estará
29   determinado por la presencia total del mismo (saturación = 0xFF) junto con la ausencia total (nulidad =
30   0x00) de los otros dos colores primarios aditivos.
31 </p>
32 </div>
33 <!-- Crea otra ventana en otra posición superpuesta -->
34 <div class="window" style="left: 75px; top: 110px; z-index: 20;">
35   <div class="titlebaractive" id="titlew2">Otra ventana</div>
36   <div class="content translucent" style="background-color: #d0d0d0; font-weight: bold;">
37     <p>
38       Esta es otra ventana. Su valor <tt>z-index</tt> la pone encima de la otra ventana. Los estilos CSS hacen
39       que su &acute;rea de contenido se vea transparente en los navegadores que soportan esta
40       caracter&acute;stica.
41     </p>
42     
43   </div>
44 </div>
45 </body>
46 </html>
```

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JS



```
1 function drag(elementToDrag, event){
2   var startX = event.clientX, startY = event.clientY;
3   var origX = elementToDrag.offsetLeft, origY = elementToDrag.offsetTop;
4   var deltaX = startX - origX, deltaY = startY - origY;
5
6   if(document.addEventListener){
7     document.addEventListener("mousemove", moveHandler, true);
8     document.addEventListener("mouseup", upHandler, true);
9   }
10  else if(document.attachEvent){
11    elementToDrag.setCapture();
12    elementToDrag.attachEvent("onmousemove", moveHandler);
13    elementToDrag.attachEvent("onmouseup", upHandler);
14    elementToDrag.attachEvent("onlosecapture", upHandler);
15  }
16  else{
17    var oldmovehandler = document.onmousemove;
18    var olduphandler = document.onmouseup;
19    document.onmousemove = moveHandler;
20    document.onmouseup = upHandler;
21  }
22
23  if(event.stopPropagation) event.stopPropagation();
24  else event.returnValue = false;
25
26  function moveHandler(e){
27    if(!e) e = window.event;
28    elementToDrag.style.left = (e.clientX - deltaX) + "px";
29    elementToDrag.style.top = (e.clientY - deltaY) + "px";
30    if(e.stopPropagation) e.stopPropagation();
31    else e.cancelBubble = true;
32  }
```

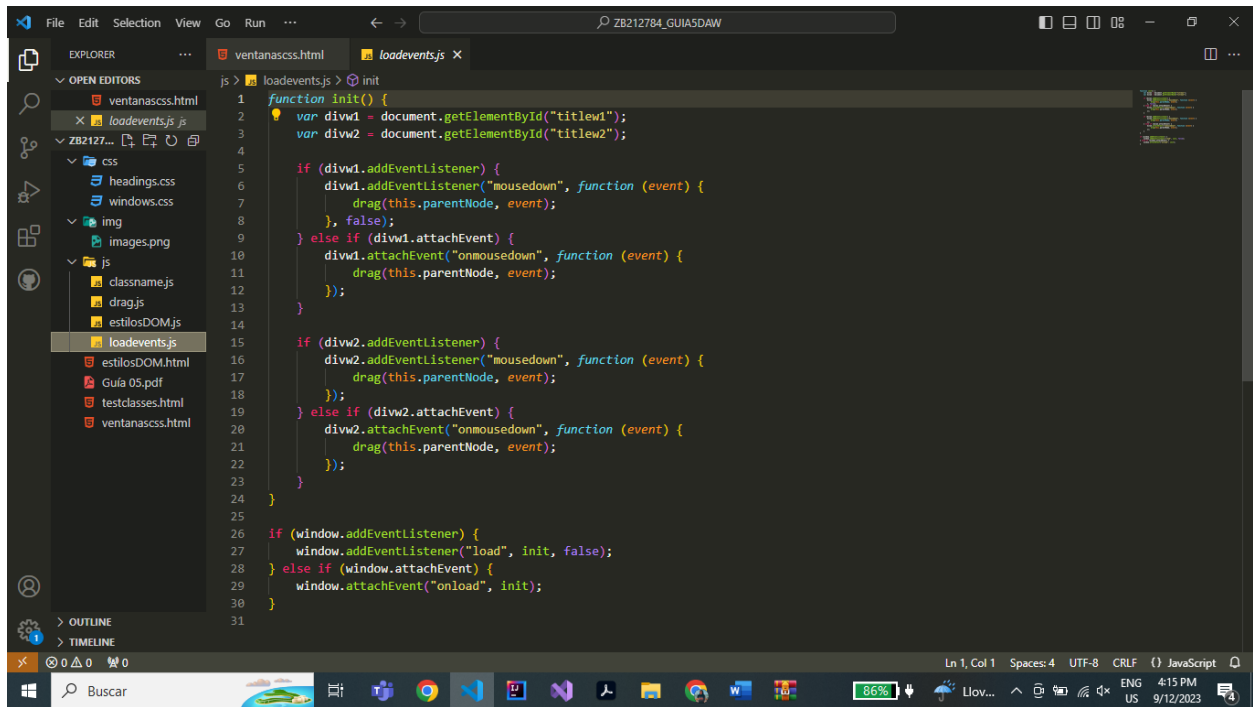


```
30 if(e.stopPropagation) e.stopPropagation();
31 else e.cancelBubble = true;
32 }
33
34 function upHandler(e){
35   var titleBar = document.getElementById('titlew1');
36   var titleBarSecond = document.getElementById('titlew2');
37   titleBar.className += 'titlebaractive' ? titleBar.className = 'titlebar' : titleBar.className = 'titlebaractive';
38   titleBarSecond.className += 'titlebar' ? titleBarSecond.className = 'titlebaractive' : titleBarSecond.className = 'titlebar';
39
40   if(!e) e = window.event;
41
42   if(document.removeEventListener){
43     document.removeEventListener("mouseup", upHandler, true);
44     document.removeEventListener("mousemove", moveHandler, true);
45   }
46   else if(document.detachEvent){
47     elementToDrag.detachEvent("onlosecapture", upHandler);
48     elementToDrag.detachEvent("onmouseup", upHandler);
49     elementToDrag.detachEvent("onmousemove", moveHandler);
50     elementToDrag.releaseCapture();
51   }
52   else{
53     document.onmouseup = olduphandler;
54     document.onmousemove = oldmovehandler;
55   }
56
57   if(e.stopPropagation) e.stopPropagation();
58   else e.cancelBubble = true;
59 }
60
61 }
```

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GUIA 5

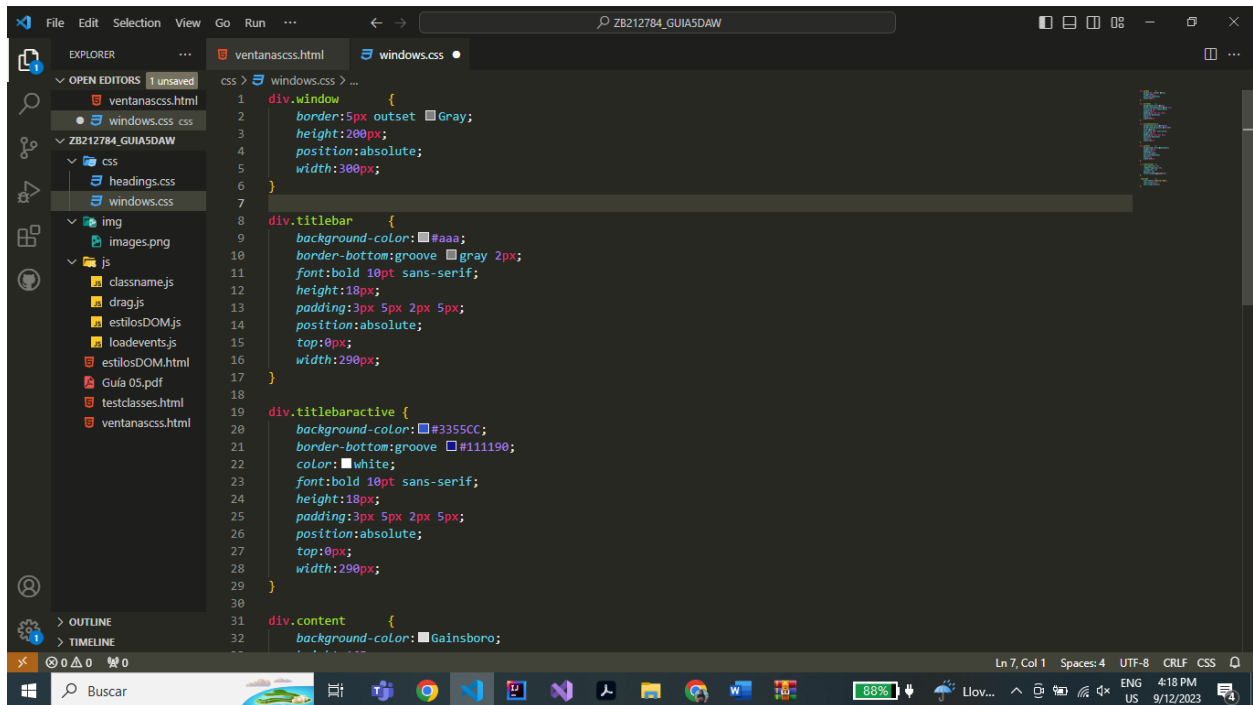


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The screenshot shows the Visual Studio Code editor with the file explorer on the left displaying a project structure. The main editor window is open to the file `loadevents.js`. The code defines an `init` function that sets up event listeners for two divs and a window load event. The status bar at the bottom indicates the current line and column, as well as the file encoding and line endings.

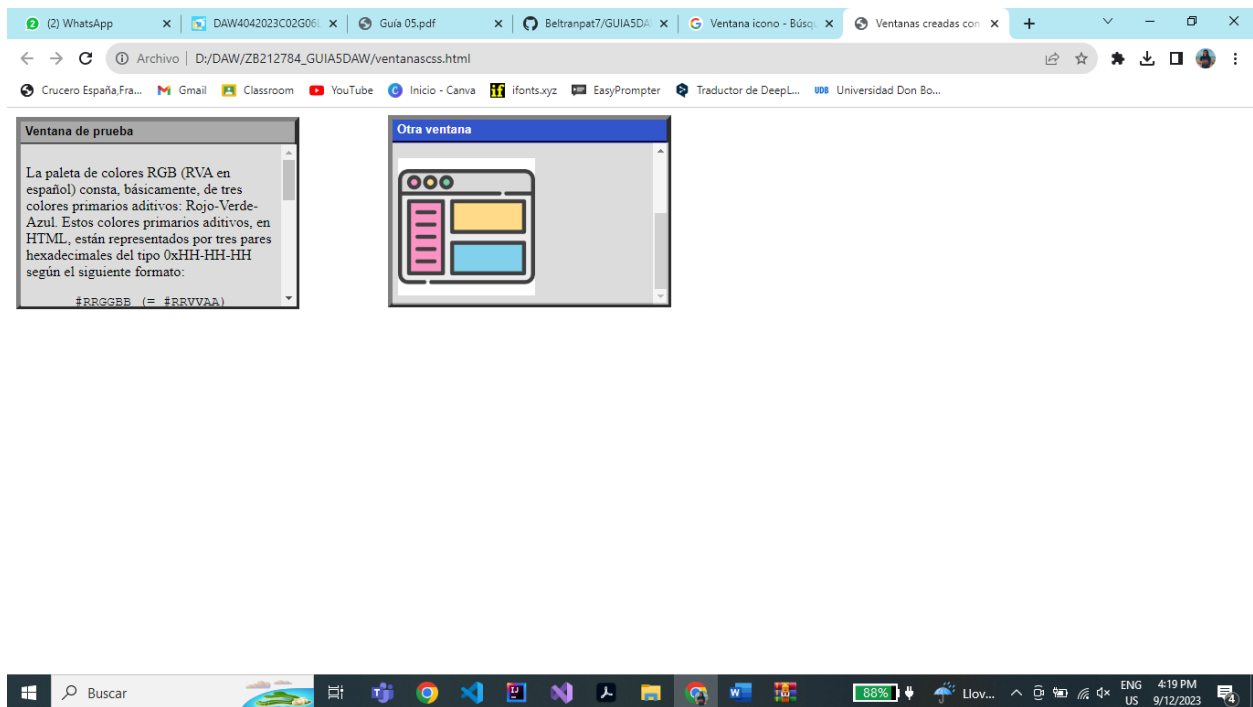
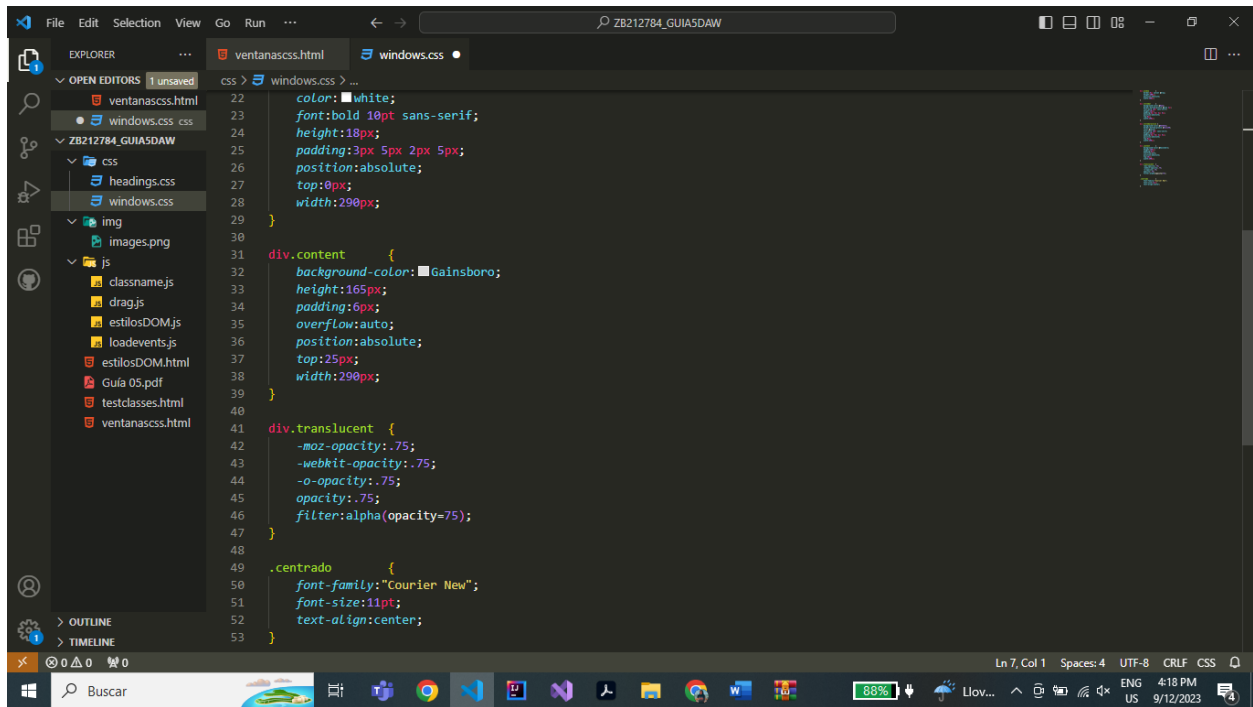
```
1 function init() {
2   var divw1 = document.getElementById("titlew1");
3   var divw2 = document.getElementById("titlew2");
4
5   if (divw1.addEventListener) {
6     divw1.addEventListener("mousedown", function (event) {
7       drag(this.parentNode, event);
8     }, false);
9   } else if (divw1.attachEvent) {
10    divw1.attachEvent("onmousedown", function (event) {
11      drag(this.parentNode, event);
12    });
13  }
14
15  if (divw2.addEventListener) {
16    divw2.addEventListener("mousedown", function (event) {
17      drag(this.parentNode, event);
18    });
19  } else if (divw2.attachEvent) {
20    divw2.attachEvent("onmousedown", function (event) {
21      drag(this.parentNode, event);
22    });
23  }
24
25
26  if (window.addEventListener) {
27    window.addEventListener("load", init, false);
28  } else if (window.attachEvent) {
29    window.attachEvent("onload", init);
30  }
31}
```



The screenshot shows the Visual Studio Code editor with the file explorer on the left. The main editor window is open to the file `windows.css`. The code defines CSS styles for a window, including a titlebar and content area. The status bar at the bottom indicates the current line and column, as well as the file encoding and line endings.

```
1 div.window {
2   border:5px outset Gray;
3   height:200px;
4   position:absolute;
5   width:300px;
6 }
7
8 div.titlebar {
9   background-color:#aaa;
10  border-bottom:groove gray 2px;
11  font:bold 10pt sans-serif;
12  height:18px;
13  padding:3px 5px 2px 5px;
14  position:absolute;
15  top:0px;
16  width:290px;
17 }
18
19 div.titlebaractive {
20   background-color:#3355CC;
21   border-bottom:groove #111190;
22   color:white;
23   font:bold 10pt sans-serif;
24   height:18px;
25   padding:3px 5px 2px 5px;
26   position:absolute;
27   top:0px;
28   width:290px;
29 }
30
31 div.content {
32   background-color:Gainsboro;
```

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[https://github.com/Beltranpat7/GUIA5DAW\\_ZB212784](https://github.com/Beltranpat7/GUIA5DAW_ZB212784)

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