



INSTITUTO POLITÉCNICO  
NACIONAL  
UNIDAD PROFESIONAL  
INTERDISCIPLINARIA EN INGENIERÍA  
Y TECNOLOGÍAS AVANZADAS



# Practica 7: TEXT TO SPEACH (TTS)



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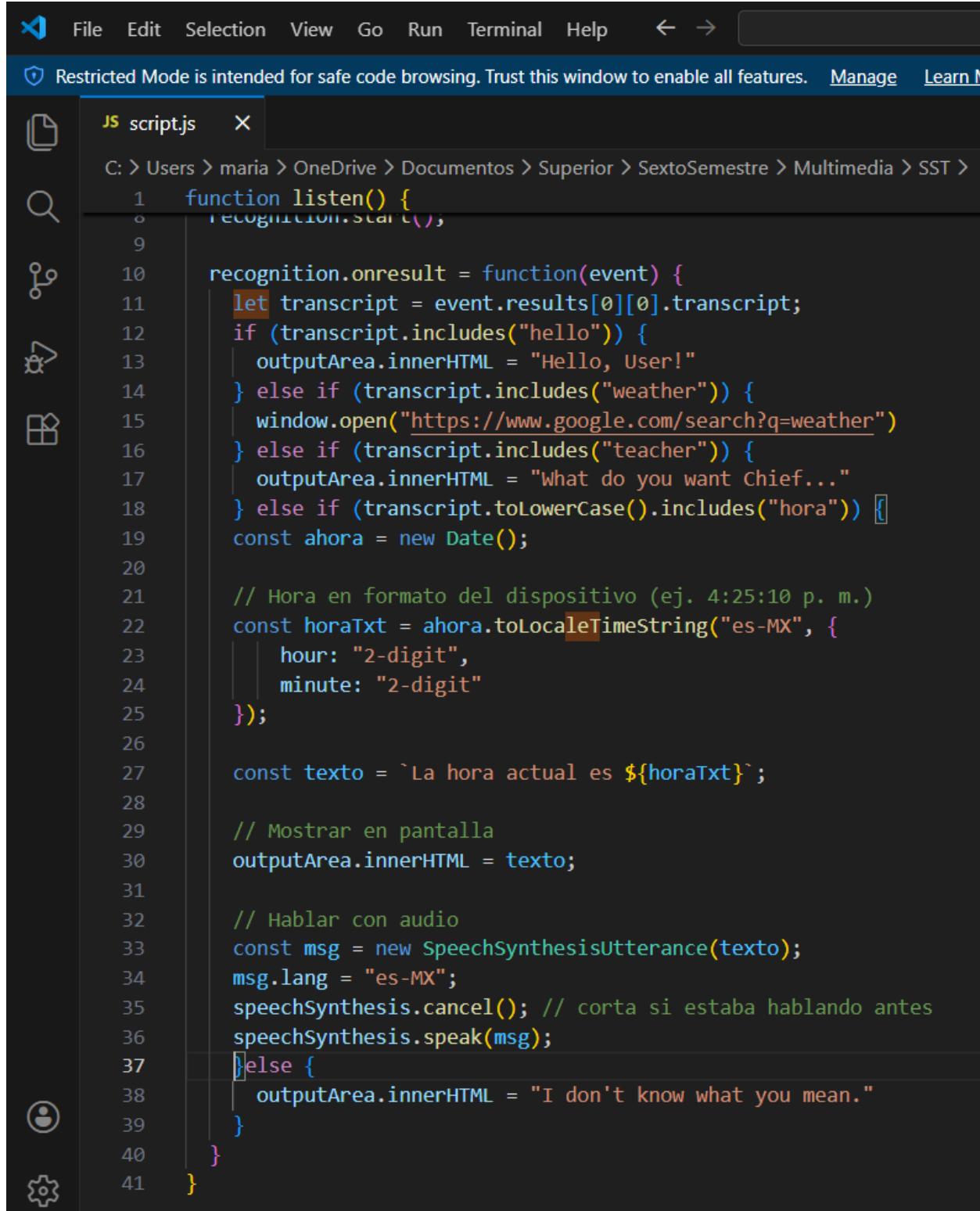
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Multimedia

## Texto To Speach (TTS)

En el archivo "script.js" se hizo la modificación de agregar un "else if" para programar la palabra "hora" y al escucharla se mostrará la hora exacta de acuerdo a la sincronización de la computadora.



The screenshot shows a code editor window with a dark theme. On the left, there's a vertical toolbar with icons for file operations, search, refresh, and user settings. The main area displays a file named "script.js". The code is written in JavaScript and includes logic for handling speech recognition and synthesis. Specifically, it checks for the words "hello", "weather", "teacher", and "hora". If "hora" is detected, it retrieves the current time and outputs it in Spanish. It also speaks the text using the SpeechSynthesis API.

```
File Edit Selection View Go Run Terminal Help ← →
Restricted Mode is intended for safe code browsing. Trust this window to enable all features. Manage Learn N
JS script.js X
C: > Users > maria > OneDrive > Documentos > Superior > SextoSemestre > Multimedia > SST >
1 function listen() {
2   recognition.start(),
3
4
5   recognition.onresult = function(event) {
6     let transcript = event.results[0][0].transcript;
7     if (transcript.includes("hello")) {
8       outputArea.innerHTML = "Hello, User!";
9     } else if (transcript.includes("weather")) {
10      window.open("https://www.google.com/search?q=weather")
11    } else if (transcript.includes("teacher")) {
12      outputArea.innerHTML = "What do you want Chief..."
13    } else if (transcript.toLowerCase().includes("hora")) {
14      const ahora = new Date();
15
16      // Hora en formato del dispositivo (ej. 4:25:10 p. m.)
17      const horaTxt = ahora.toLocaleTimeString("es-MX", {
18        hour: "2-digit",
19        minute: "2-digit"
20      });
21
22      const texto = `La hora actual es ${horaTxt}`;
23
24      // Mostrar en pantalla
25      outputArea.innerHTML = texto;
26
27      // Hablar con audio
28      const msg = new SpeechSynthesisUtterance(texto);
29      msg.lang = "es-MX";
30      speechSynthesis.cancel(); // corta si estaba hablando antes
31      speechSynthesis.speak(msg);
32    } else {
33      outputArea.innerHTML = "I don't know what you mean."
34    }
35  }
36}
37
38
39
40
41 }
```

Y en la ejecución con la página "html":

