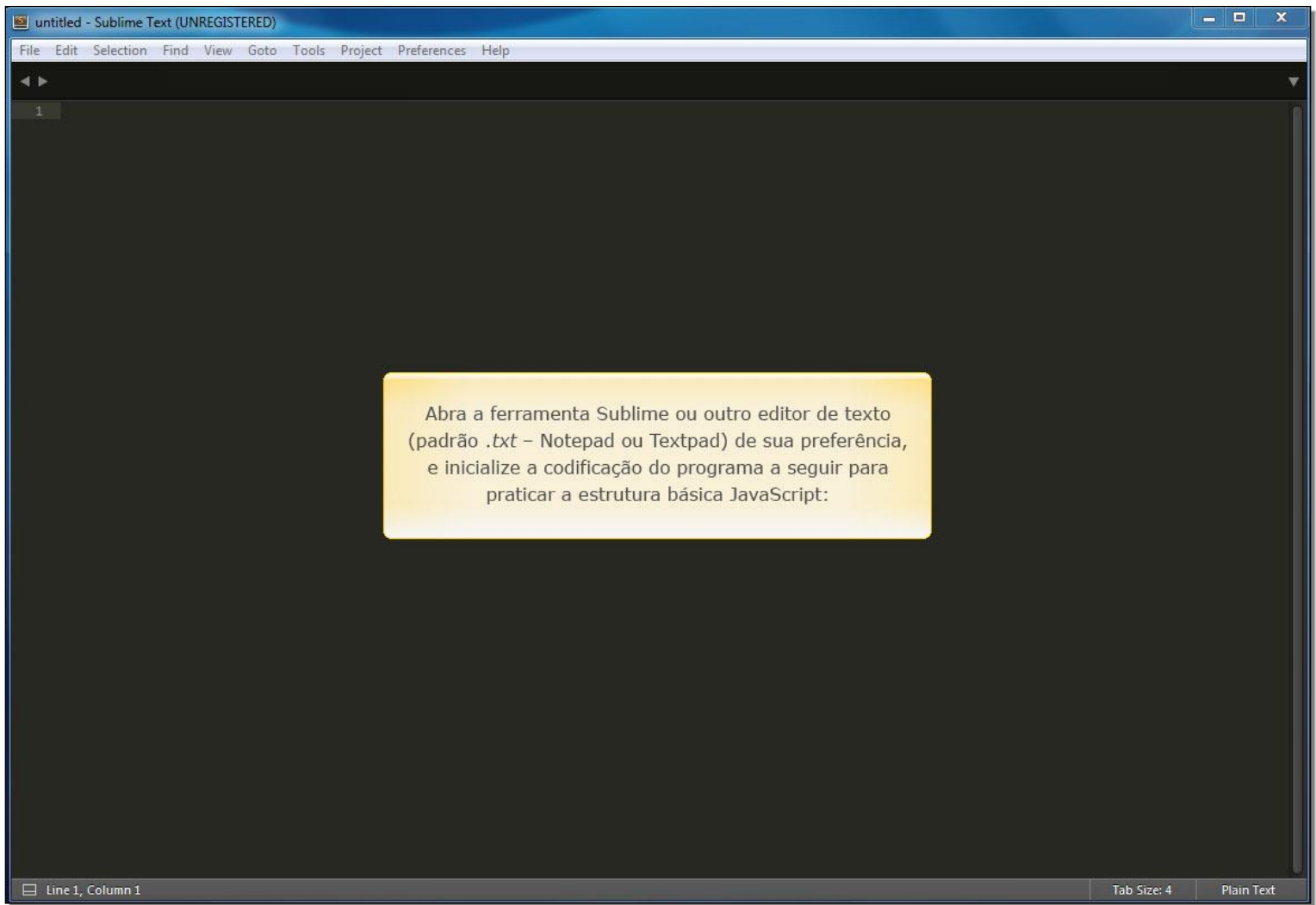
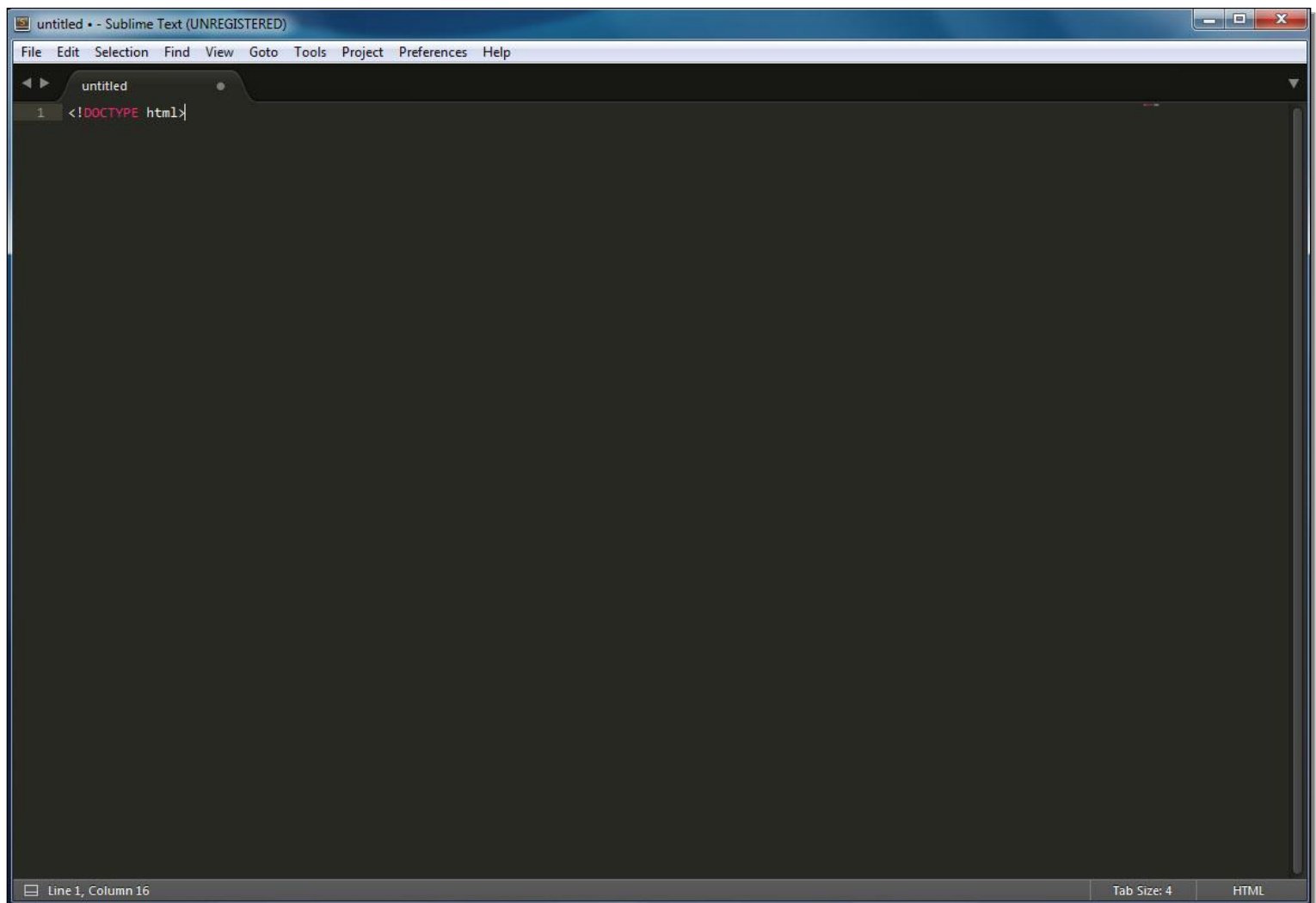


Primeiro programa em JavaScript

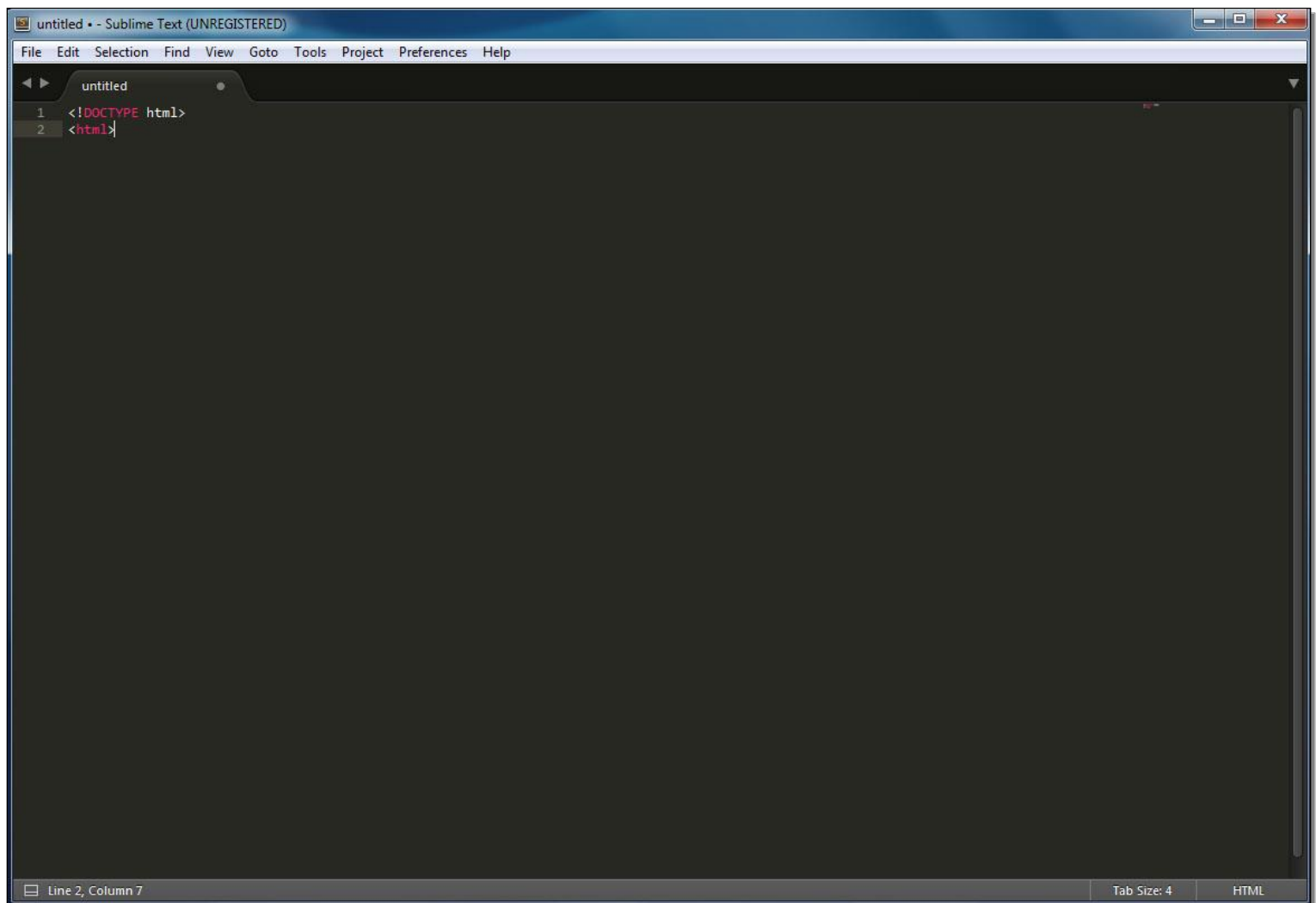




The image shows a screenshot of the Sublime Text (UNREGISTERED) editor window. The window title is "untitled - Sublime Text (UNREGISTERED)". The menu bar includes File, Edit, Selection, Find, View, Goto, Tools, Project, Preferences, and Help. The editor has a dark theme and shows a single tab titled "untitled". The code in the editor is:

```
1 <!DOCTYPE html>
```

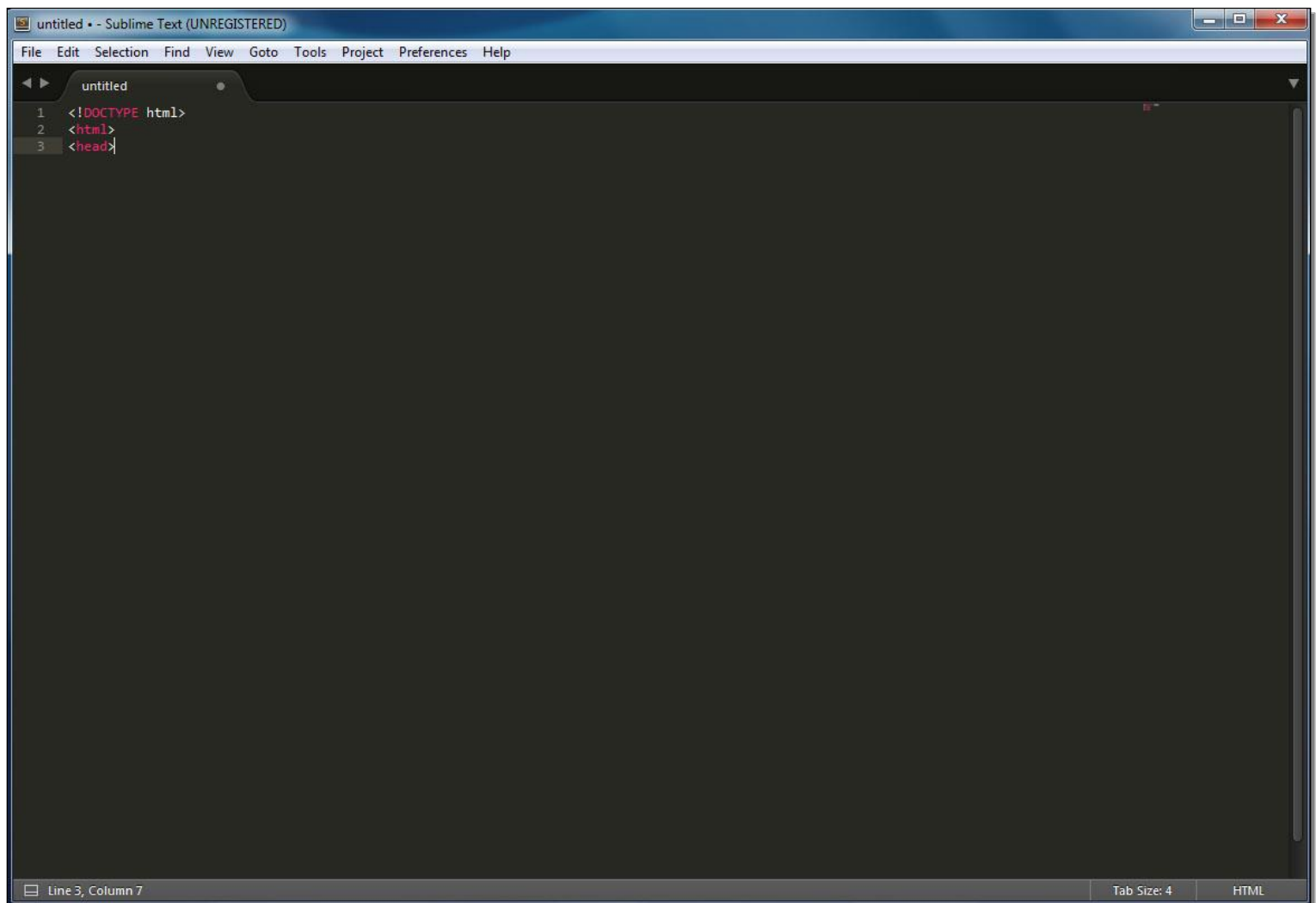
 The status bar at the bottom indicates "Line 1, Column 16", "Tab Size: 4", and "HTML".



The image shows a screenshot of the Sublime Text (UNREGISTERED) editor window. The window title is "untitled - Sublime Text (UNREGISTERED)". The menu bar includes File, Edit, Selection, Find, View, Goto, Tools, Project, Preferences, and Help. The editor has a dark theme and shows a single file named "untitled". The code in the editor is as follows:

```
1 <!DOCTYPE html>
2 <html>
```

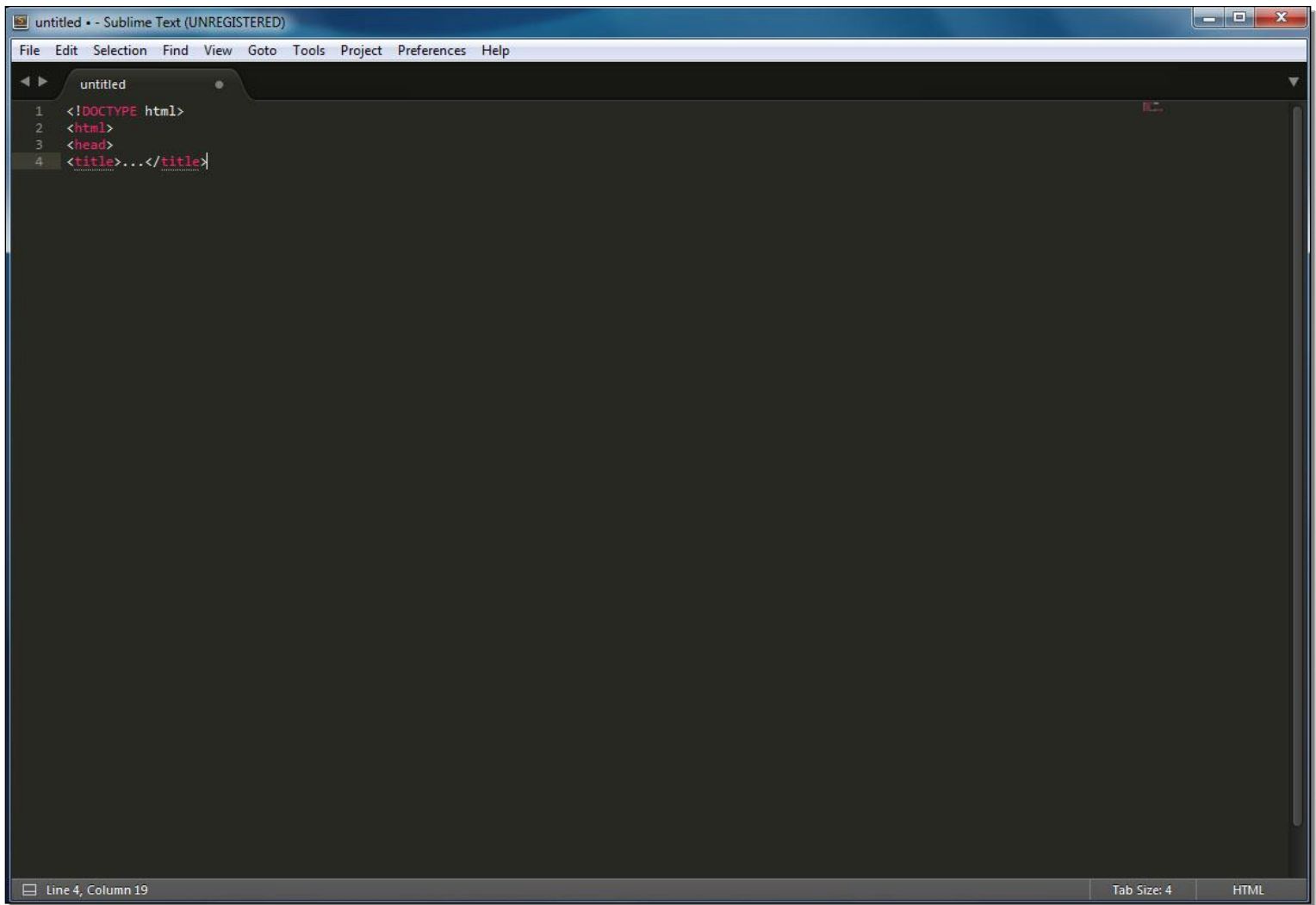
The status bar at the bottom indicates "Line 2, Column 7", "Tab Size: 4", and "HTML".



The screenshot shows the Sublime Text editor interface. The title bar reads "untitled - Sublime Text (UNREGISTERED)". The menu bar includes "File", "Edit", "Selection", "Find", "View", "Goto", "Tools", "Project", "Preferences", and "Help". The editor has a single tab titled "untitled". The code in the editor is as follows:

```
1 <!DOCTYPE html>
2 <html>
3 <head>
```

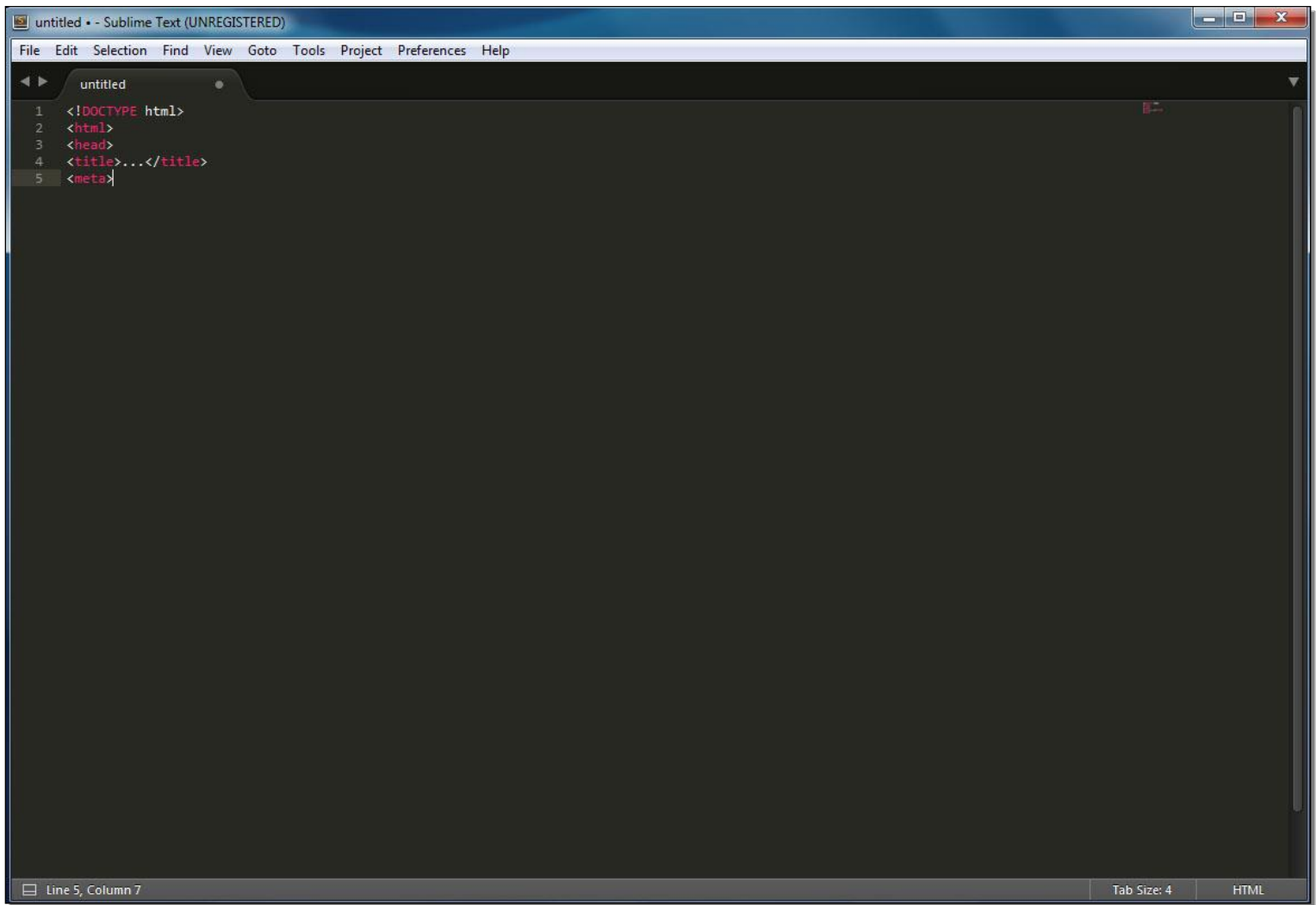
The status bar at the bottom indicates "Line 3, Column 7", "Tab Size: 4", and "HTML".



The screenshot shows the Sublime Text editor interface. The title bar reads "untitled - Sublime Text (UNREGISTERED)". The menu bar includes "File", "Edit", "Selection", "Find", "View", "Goto", "Tools", "Project", "Preferences", and "Help". The editor has a single tab titled "untitled". The code is as follows:

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>...</title>
```

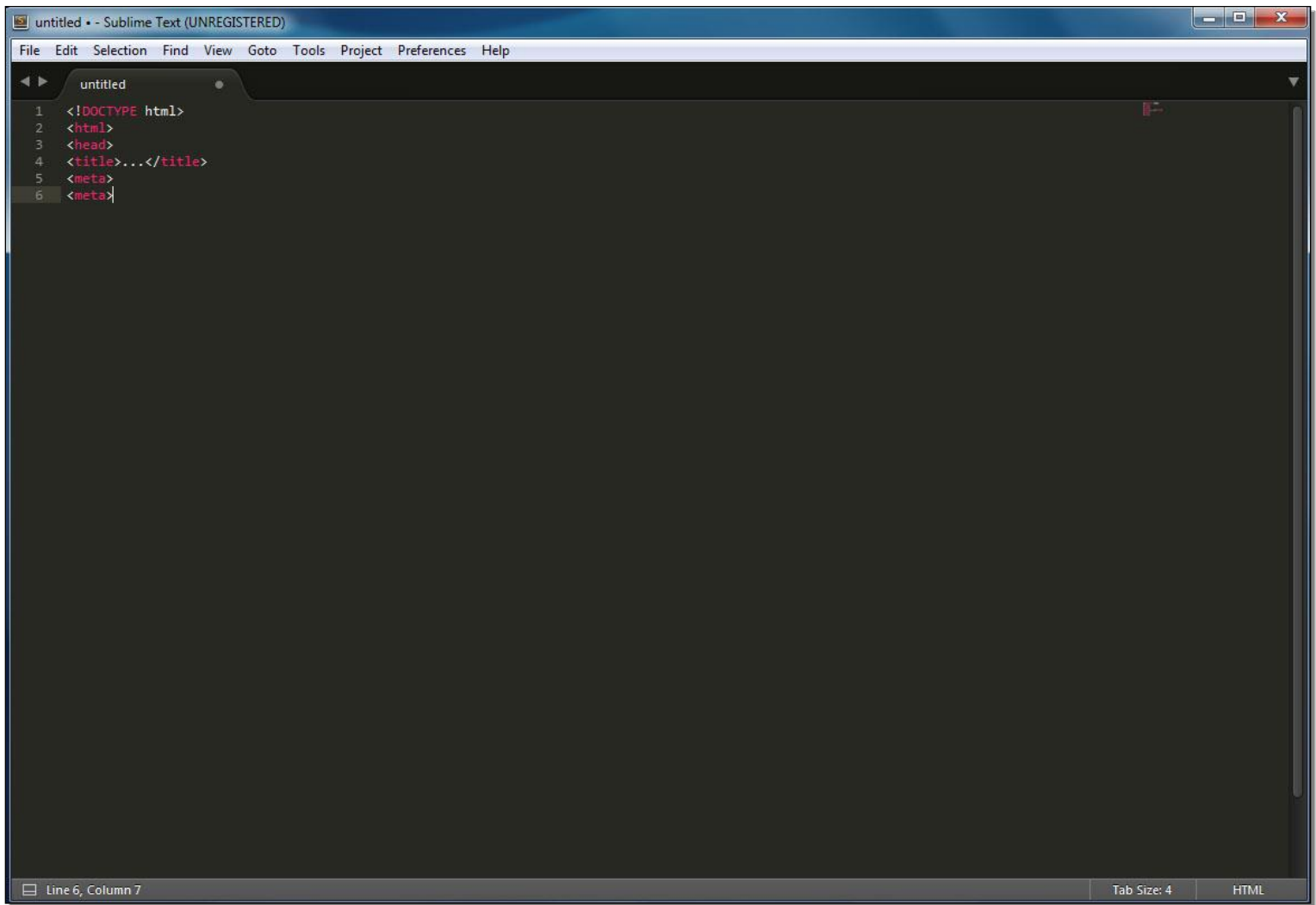
The status bar at the bottom indicates "Line 4, Column 19", "Tab Size: 4", and "HTML".



The image shows a screenshot of the Sublime Text (UNREGISTERED) editor window. The window title is "untitled - Sublime Text (UNREGISTERED)". The menu bar includes File, Edit, Selection, Find, View, Goto, Tools, Project, Preferences, and Help. The editor has a dark theme and shows a single tab titled "untitled". The code in the editor is as follows:

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>...</title>
5 <meta>
```

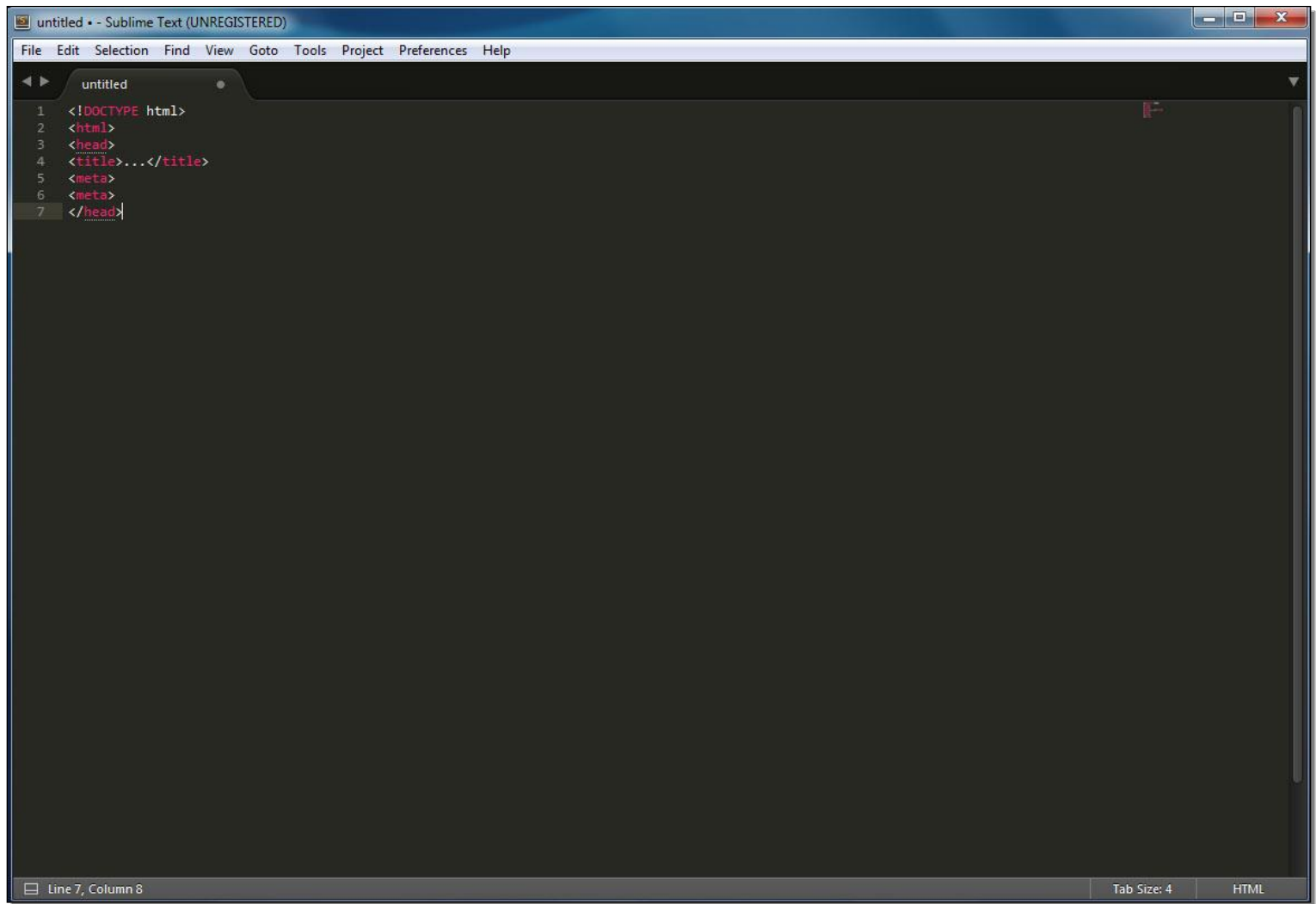
The status bar at the bottom indicates "Line 5, Column 7", "Tab Size: 4", and "HTML".



The image shows a screenshot of the Sublime Text (UNREGISTERED) editor window. The window title is "untitled - Sublime Text (UNREGISTERED)". The menu bar includes File, Edit, Selection, Find, View, Goto, Tools, Project, Preferences, and Help. The editor has a dark theme and shows a single tab titled "untitled". The code in the editor is as follows:

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>...</title>
5 <meta>
6 <meta>
```

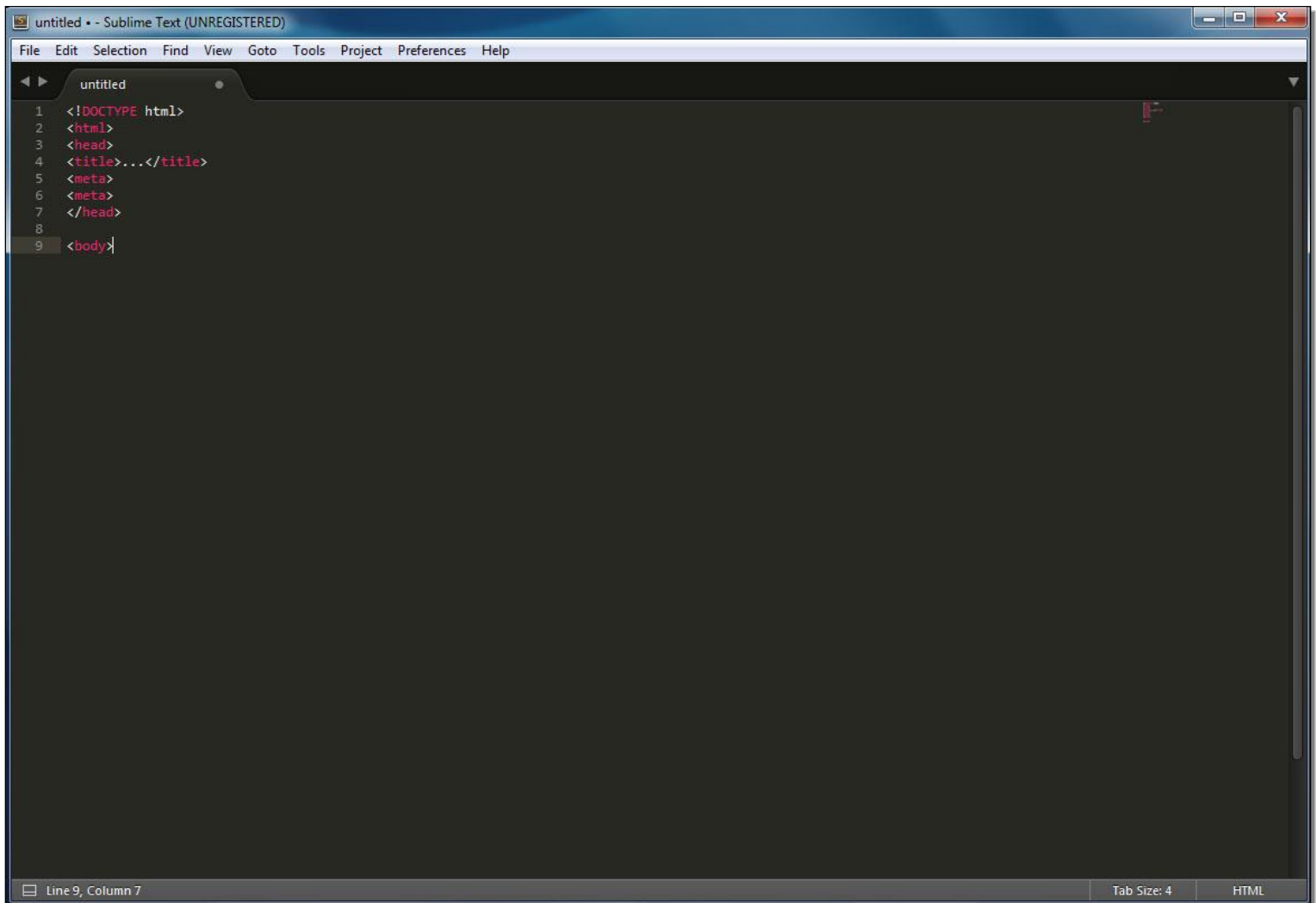
The status bar at the bottom indicates "Line 6, Column 7", "Tab Size: 4", and "HTML".



The screenshot shows the Sublime Text editor interface with a single tab titled 'untitled'. The menu bar includes File, Edit, Selection, Find, View, Goto, Tools, Project, Preferences, and Help. The code in the editor is as follows:

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>...</title>
5 <meta>
6 <meta>
7 </head>
```

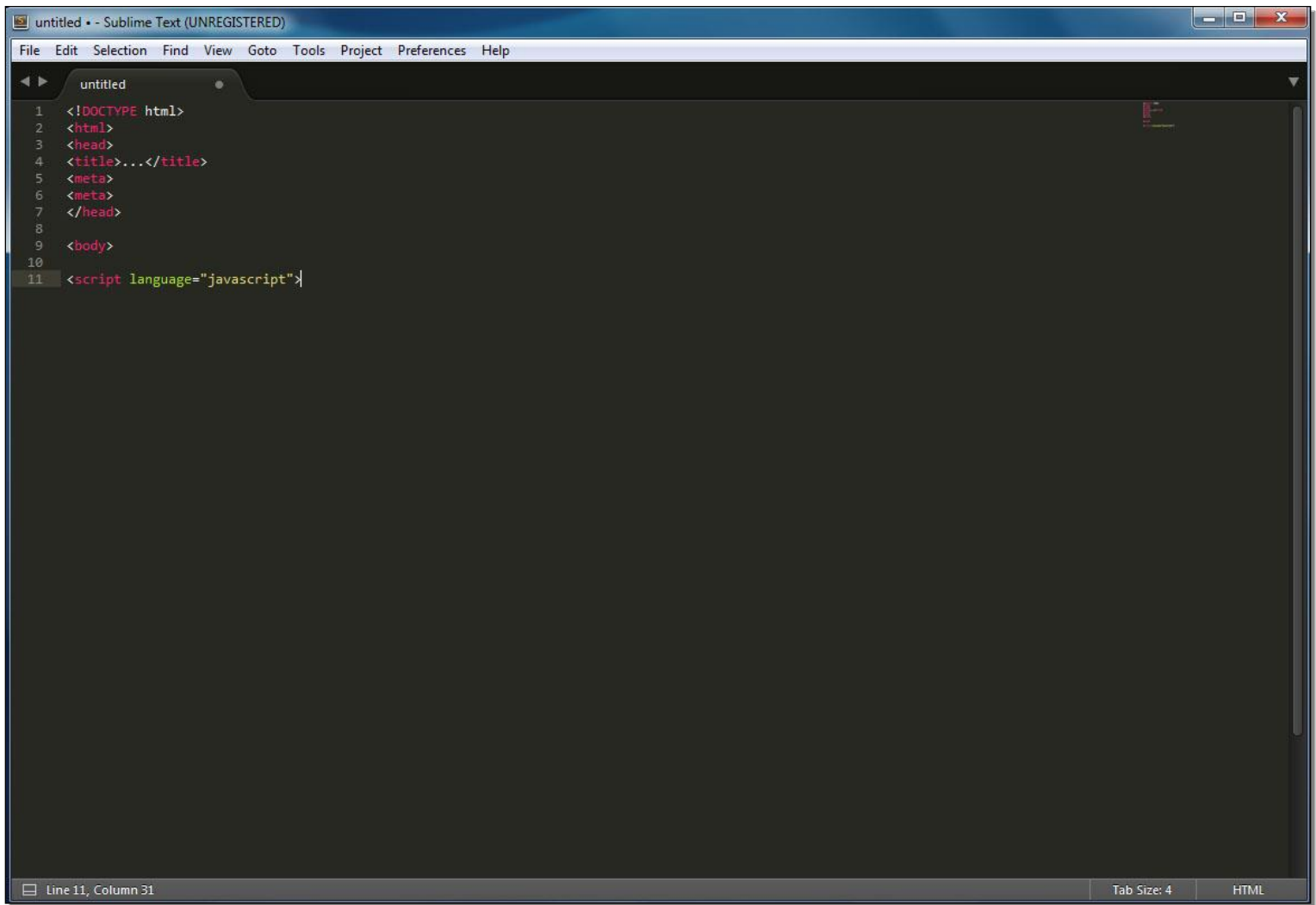
The status bar at the bottom indicates 'Line 7, Column 8', 'Tab Size: 4', and 'HTML'.



The image shows a screenshot of the Sublime Text (UNREGISTERED) editor window. The window title is "untitled - Sublime Text (UNREGISTERED)". The menu bar includes File, Edit, Selection, Find, View, Goto, Tools, Project, Preferences, and Help. The editor area displays an HTML boilerplate code with line numbers 1 through 9 on the left margin. The code is as follows:

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>...</title>
5 <meta>
6 <meta>
7 </head>
8
9 <body>
```

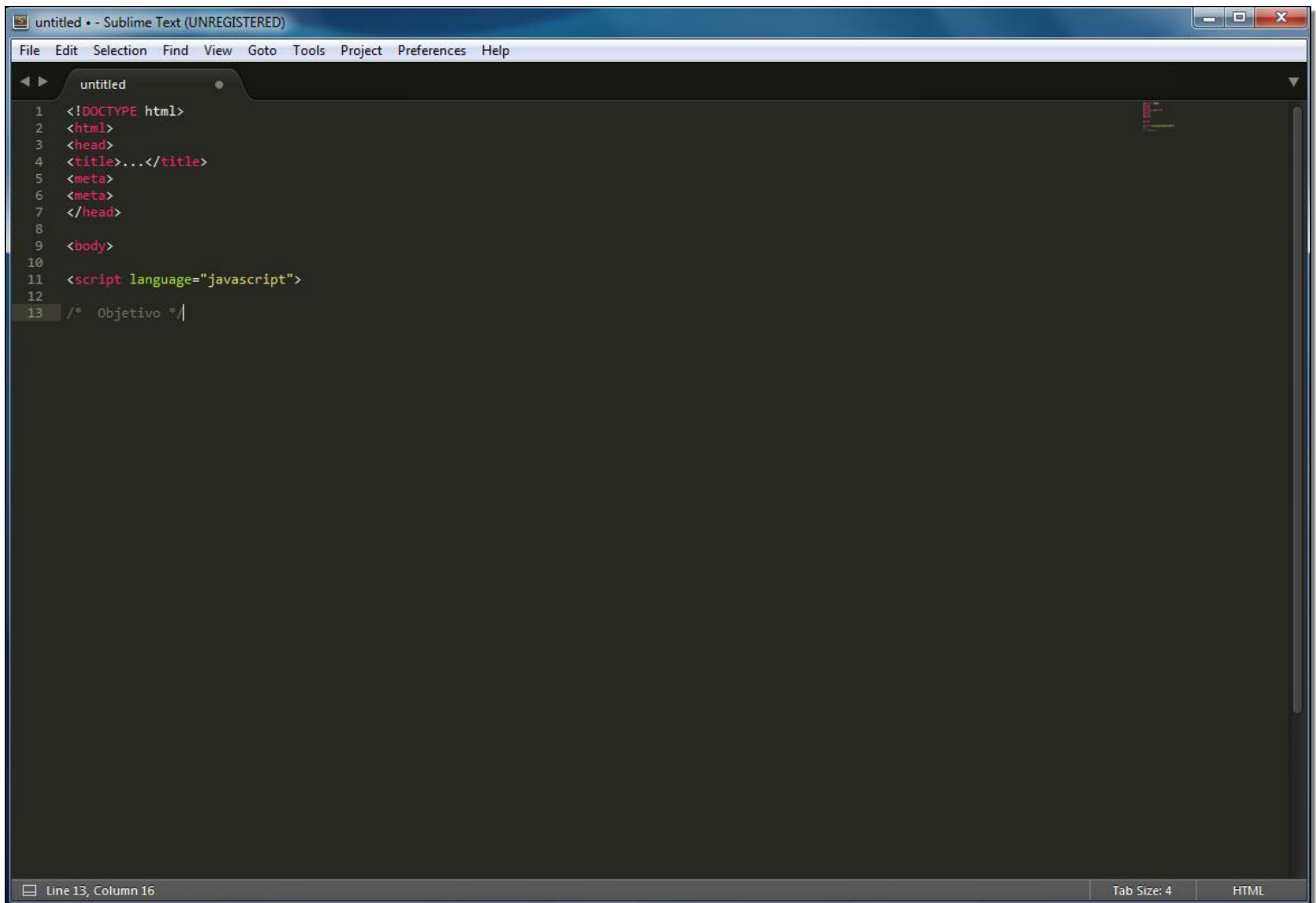
The status bar at the bottom indicates "Line 9, Column 7", "Tab Size: 4", and "HTML".



The image shows a screenshot of the Sublime Text (UNREGISTERED) editor window. The window title is "untitled - Sublime Text (UNREGISTERED)". The menu bar includes File, Edit, Selection, Find, View, Goto, Tools, Project, Preferences, and Help. The editor area displays an HTML document with the following code:

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>...</title>
5 <meta>
6 <meta>
7 </head>
8
9 <body>
10
11 <script language="javascript">
```

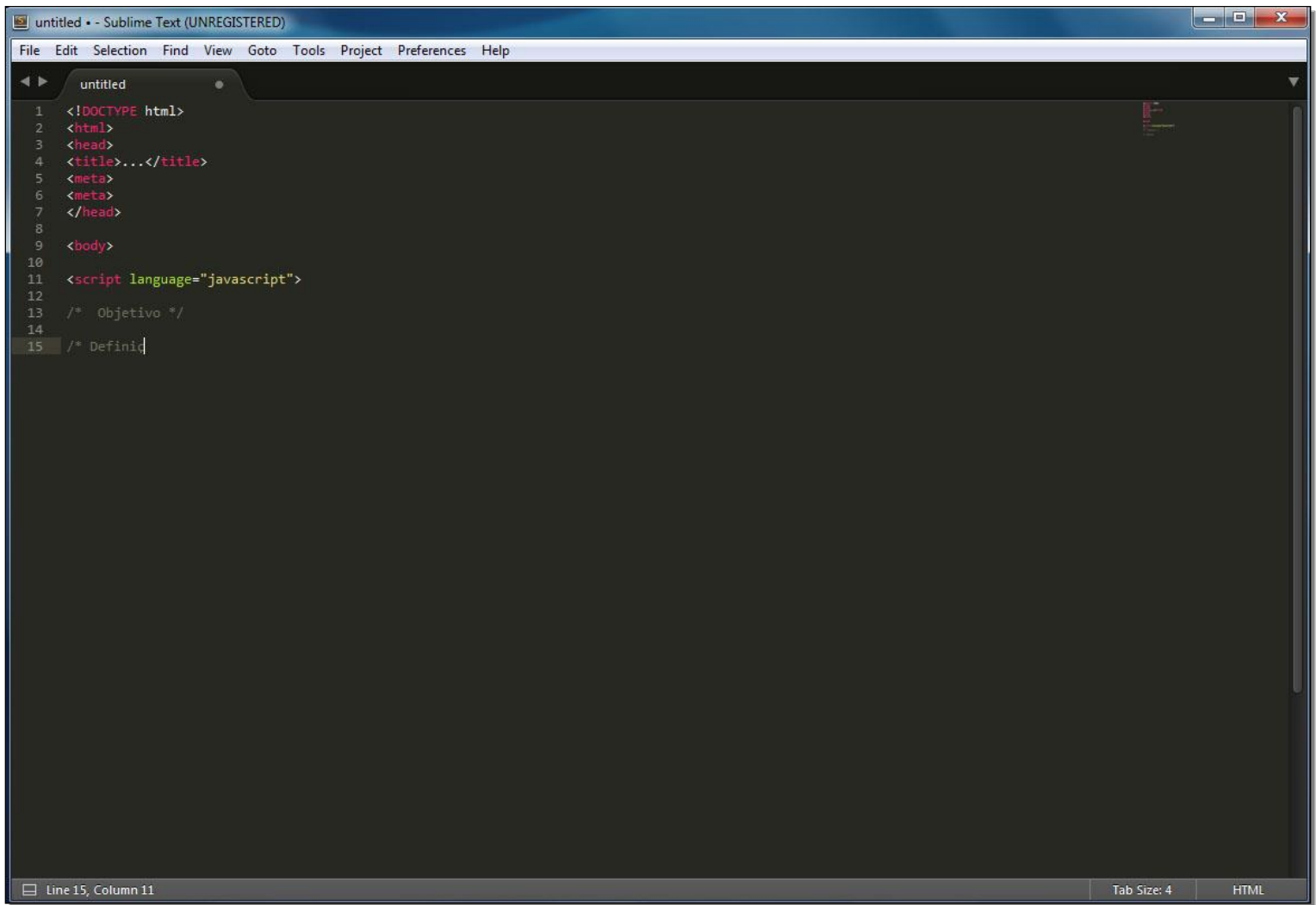
The status bar at the bottom indicates "Line 11, Column 31", "Tab Size: 4", and "HTML".



The image shows a screenshot of the Sublime Text (UNREGISTERED) editor. The window title is "untitled - Sublime Text (UNREGISTERED)". The menu bar includes File, Edit, Selection, Find, View, Goto, Tools, Project, Preferences, and Help. The editor is displaying an HTML document with the following code:

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>...</title>
5 <meta>
6 <meta>
7 </head>
8
9 <body>
10
11 <script language="javascript">
12
13 /* Objetivo */
```

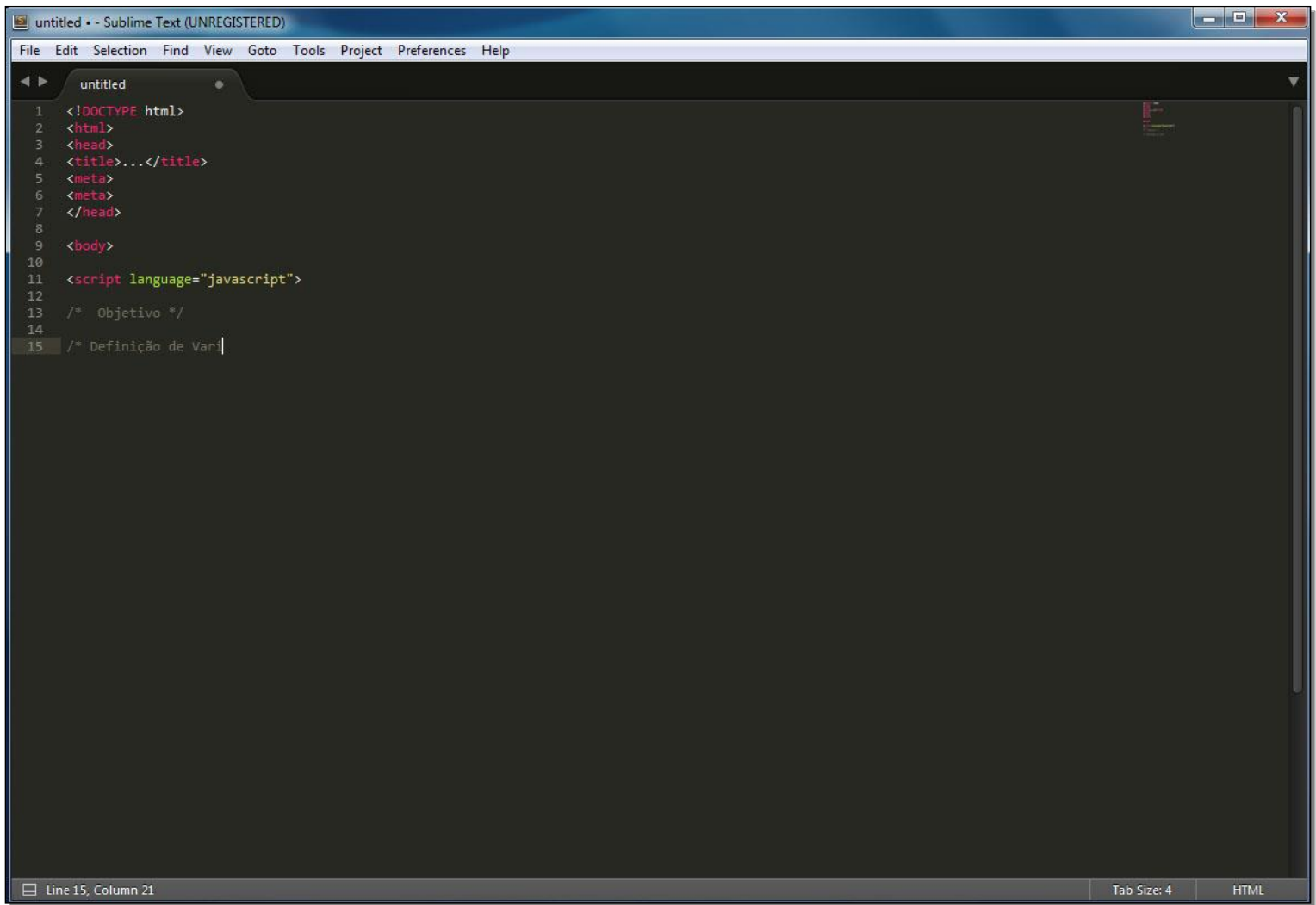
The status bar at the bottom indicates "Line 13, Column 16", "Tab Size: 4", and "HTML".



The image shows a screenshot of the Sublime Text (UNREGISTERED) editor window. The window title is "untitled - Sublime Text (UNREGISTERED)". The menu bar includes File, Edit, Selection, Find, View, Goto, Tools, Project, Preferences, and Help. The editor is displaying an HTML document with the following code:

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>...</title>
5 <meta>
6 <meta>
7 </head>
8
9 <body>
10
11 <script language="javascript">
12
13 /* Objetivo */
14
15 /* Definiç
```

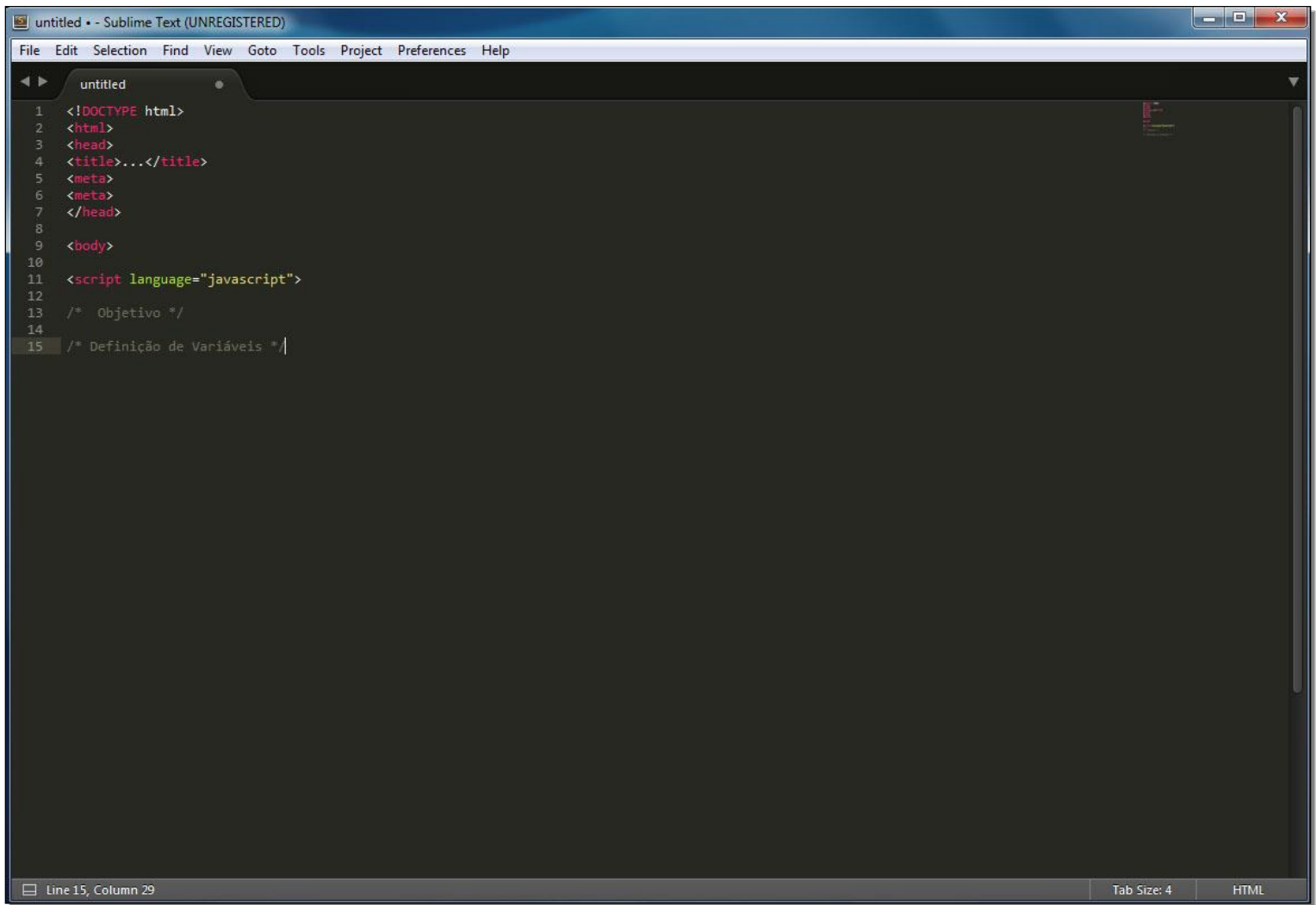
The status bar at the bottom indicates "Line 15, Column 11", "Tab Size: 4", and "HTML".



The screenshot shows the Sublime Text editor interface. The title bar reads "untitled - Sublime Text (UNREGISTERED)". The menu bar includes "File", "Edit", "Selection", "Find", "View", "Goto", "Tools", "Project", "Preferences", and "Help". The editor window displays an HTML document with the following code:

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>...</title>
5 <meta>
6 <meta>
7 </head>
8
9 <body>
10
11 <script language="javascript">
12
13 /* Objetivo */
14
15 /* Definição de Vari
```

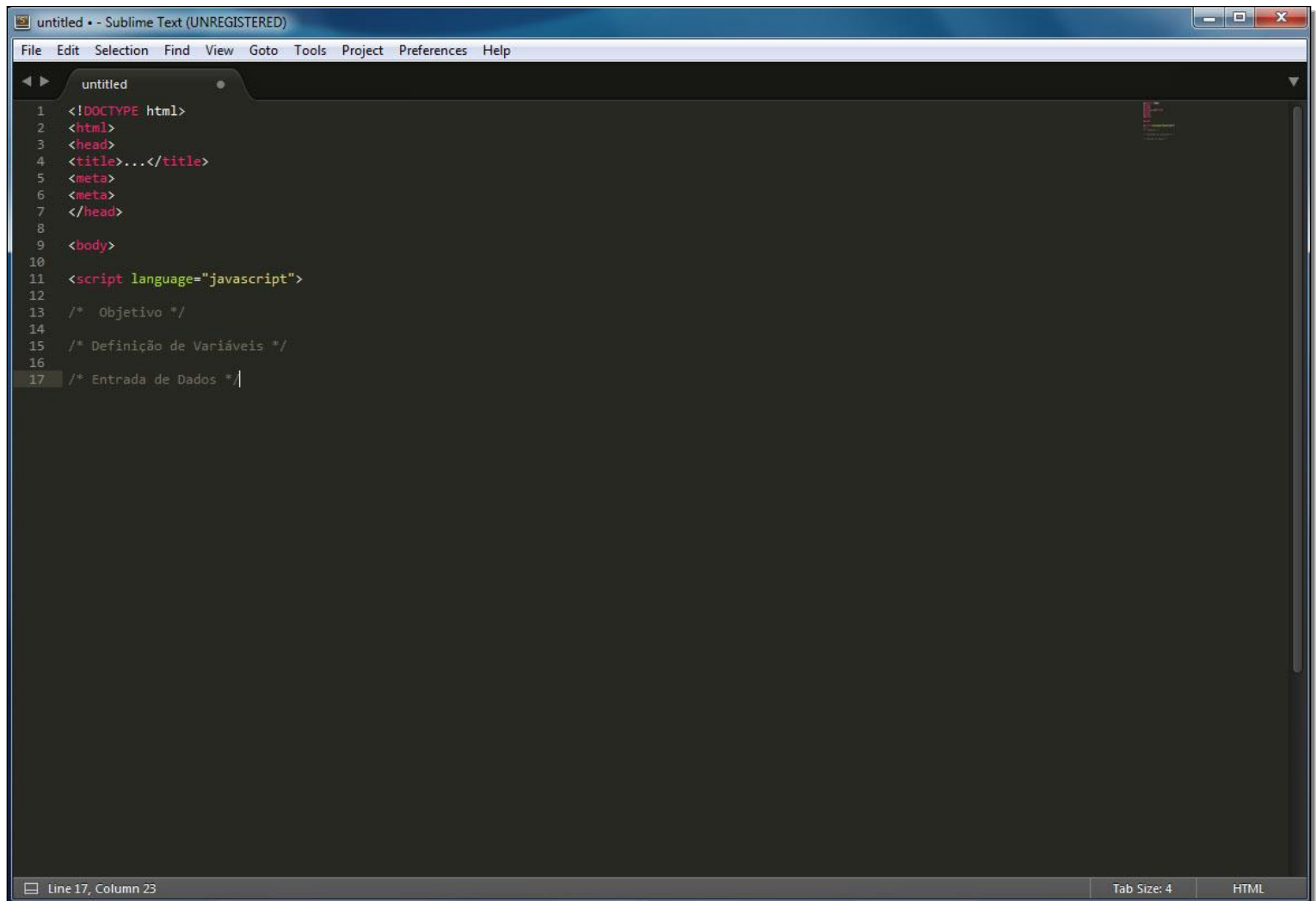
The status bar at the bottom indicates "Line 15, Column 21", "Tab Size: 4", and "HTML".



The image shows a screenshot of the Sublime Text (UNREGISTERED) editor. The window title is "untitled - Sublime Text (UNREGISTERED)". The menu bar includes File, Edit, Selection, Find, View, Goto, Tools, Project, Preferences, and Help. The editor is displaying an HTML document with the following code:

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>...</title>
5 <meta>
6 <meta>
7 </head>
8
9 <body>
10
11 <script language="javascript">
12
13 /* Objetivo */
14
15 /* Definição de Variáveis */
```

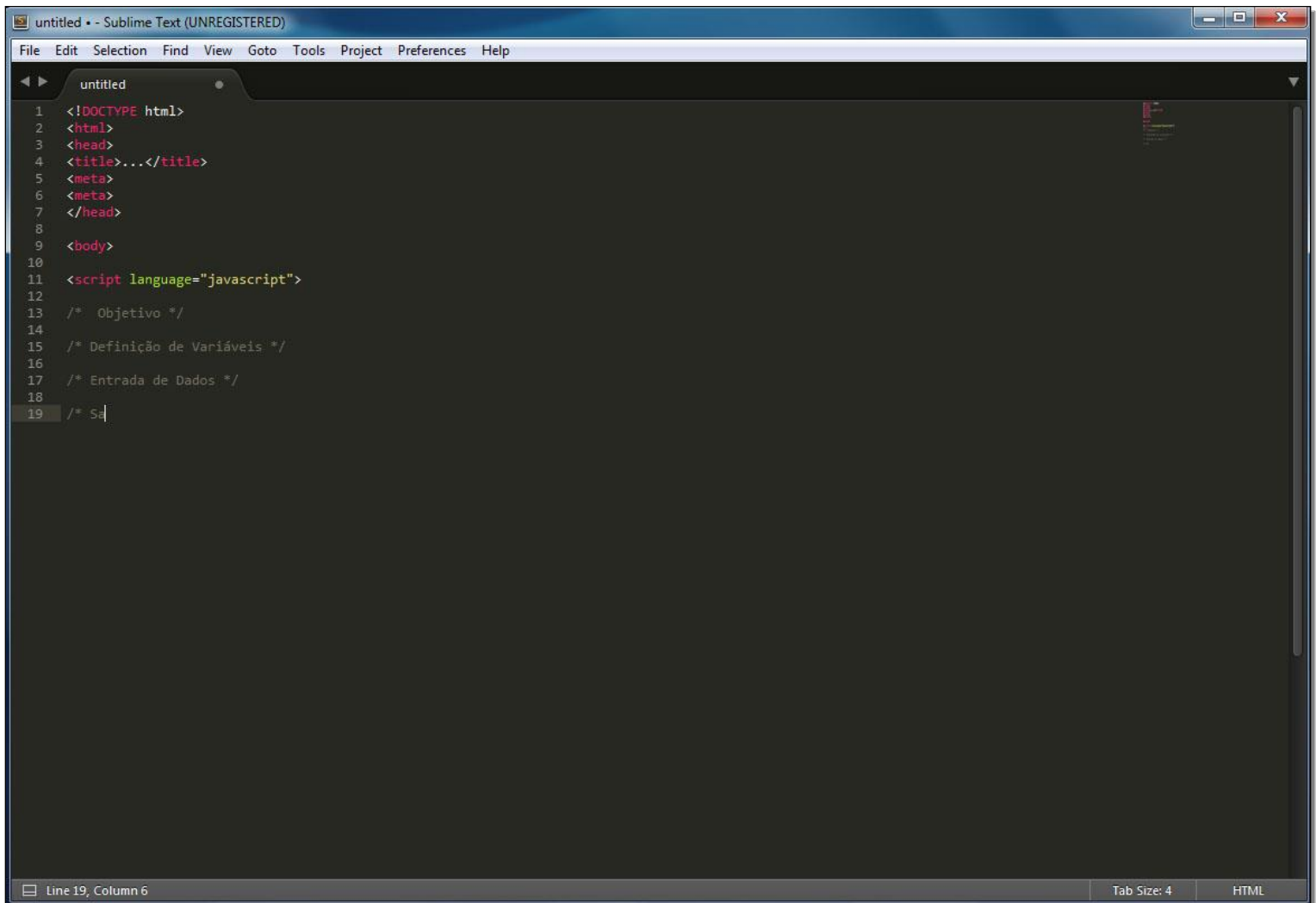
The status bar at the bottom indicates "Line 15, Column 29", "Tab Size: 4", and "HTML".



The screenshot shows the Sublime Text editor interface. The title bar reads "untitled - Sublime Text (UNREGISTERED)". The menu bar includes "File", "Edit", "Selection", "Find", "View", "Goto", "Tools", "Project", "Preferences", and "Help". The editor window displays an HTML document with the following content:

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>...</title>
5 <meta>
6 <meta>
7 </head>
8
9 <body>
10
11 <script language="javascript">
12
13 /* Objetivo */
14
15 /* Definição de Variáveis */
16
17 /* Entrada de Dados */
```

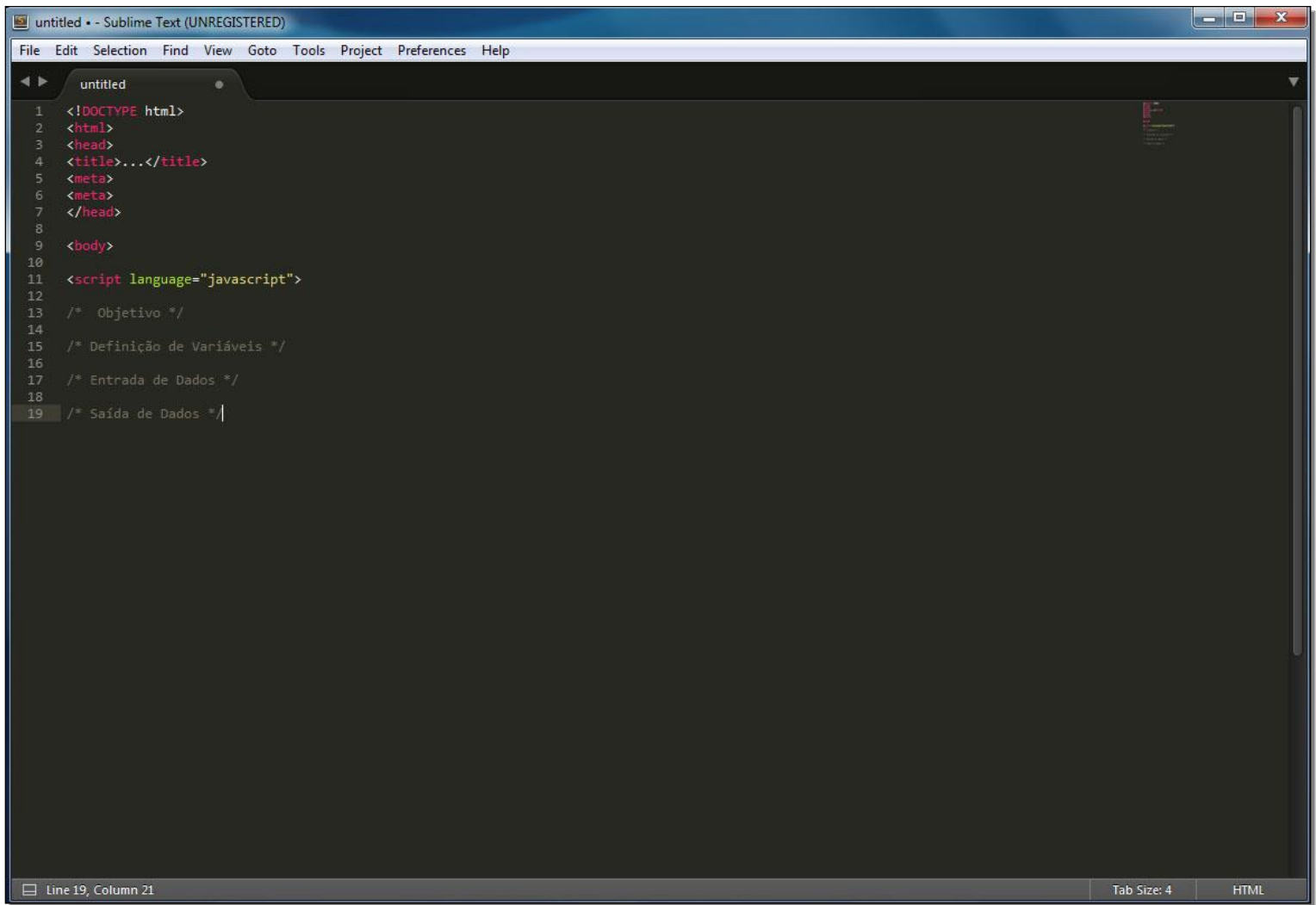
The status bar at the bottom indicates "Line 17, Column 23", "Tab Size: 4", and "HTML".



The screenshot shows the Sublime Text editor interface. The title bar reads "untitled - Sublime Text (UNREGISTERED)". The menu bar includes "File", "Edit", "Selection", "Find", "View", "Goto", "Tools", "Project", "Preferences", and "Help". The editor window displays an HTML document with the following content:

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>...</title>
5 <meta>
6 <meta>
7 </head>
8
9 <body>
10
11 <script language="javascript">
12
13 /* Objetivo */
14
15 /* Definição de Variáveis */
16
17 /* Entrada de Dados */
18
19 /* Sa
```

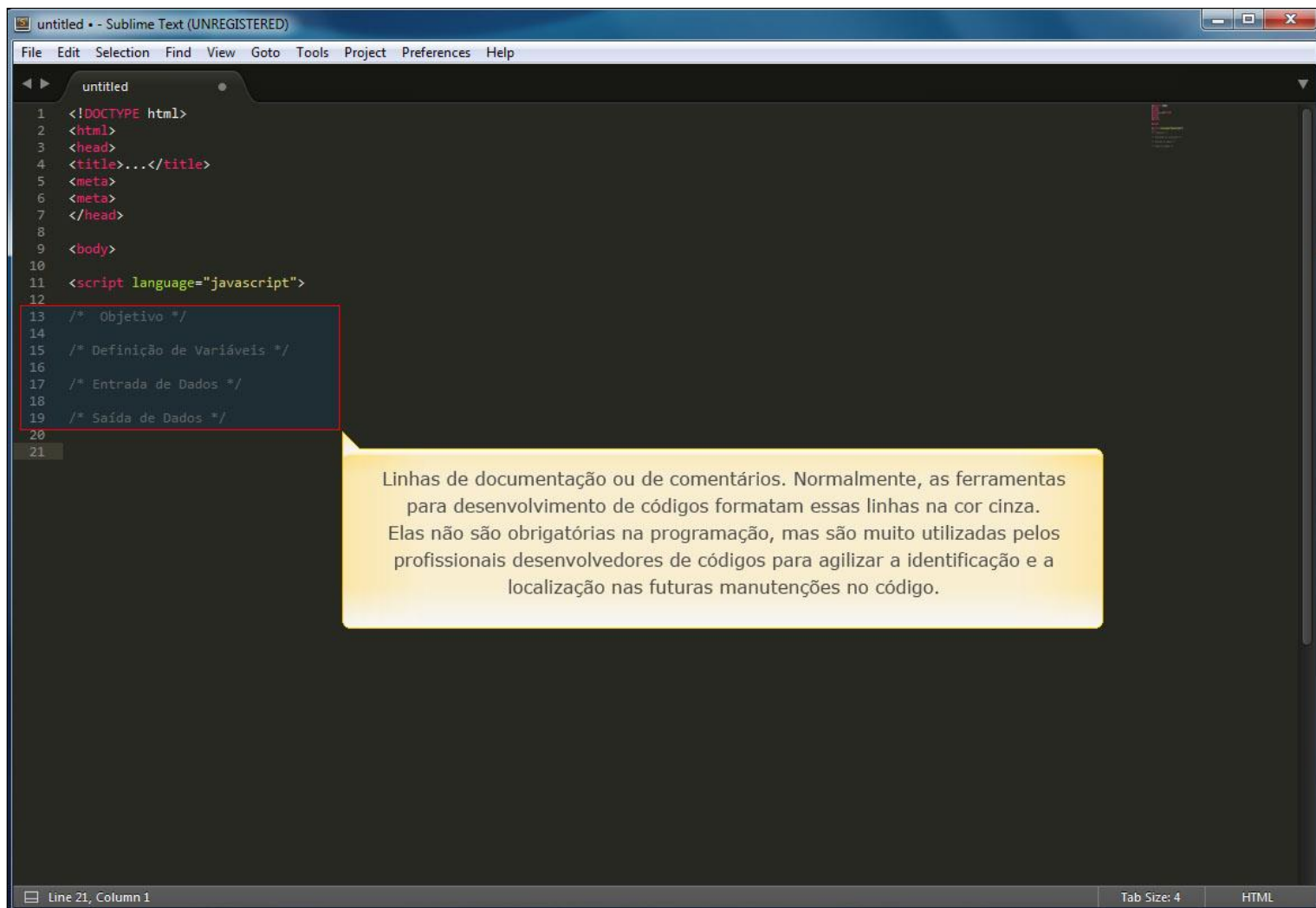
The status bar at the bottom indicates "Line 19, Column 6", "Tab Size: 4", and "HTML".



The image shows a screenshot of the Sublime Text (UNREGISTERED) editor. The window title is "untitled - Sublime Text (UNREGISTERED)". The menu bar includes File, Edit, Selection, Find, View, Goto, Tools, Project, Preferences, and Help. The editor is displaying an HTML document with the following code:

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>...</title>
5 <meta>
6 <meta>
7 </head>
8
9 <body>
10
11 <script language="javascript">
12
13 /* Objetivo */
14
15 /* Definição de Variáveis */
16
17 /* Entrada de Dados */
18
19 /* Saída de Dados */
```

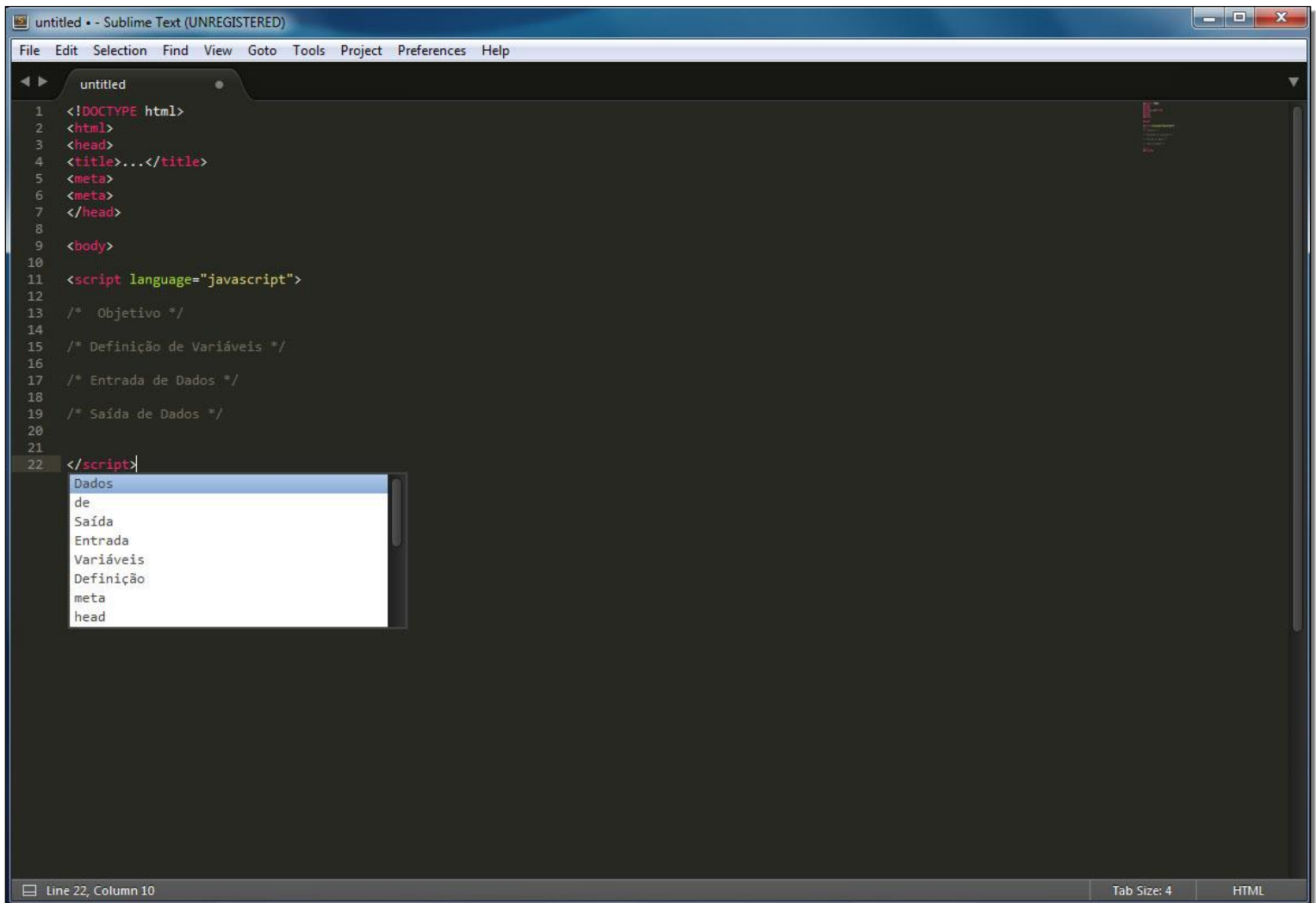
The status bar at the bottom indicates "Line 19, Column 21", "Tab Size: 4", and "HTML".



```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>...</title>
5 <meta>
6 <meta>
7 </head>
8
9 <body>
10
11 <script language="javascript">
12
13 /* Objetivo */
14
15 /* Definição de Variáveis */
16
17 /* Entrada de Dados */
18
19 /* Saída de Dados */
20
21
```

Linhas de documentação ou de comentários. Normalmente, as ferramentas para desenvolvimento de códigos formatam essas linhas na cor cinza. Elas não são obrigatórias na programação, mas são muito utilizadas pelos profissionais desenvolvedores de códigos para agilizar a identificação e a localização nas futuras manutenções no código.

Line 21, Column 1 Tab Size: 4 HTML



untitled - Sublime Text (UNREGISTERED)

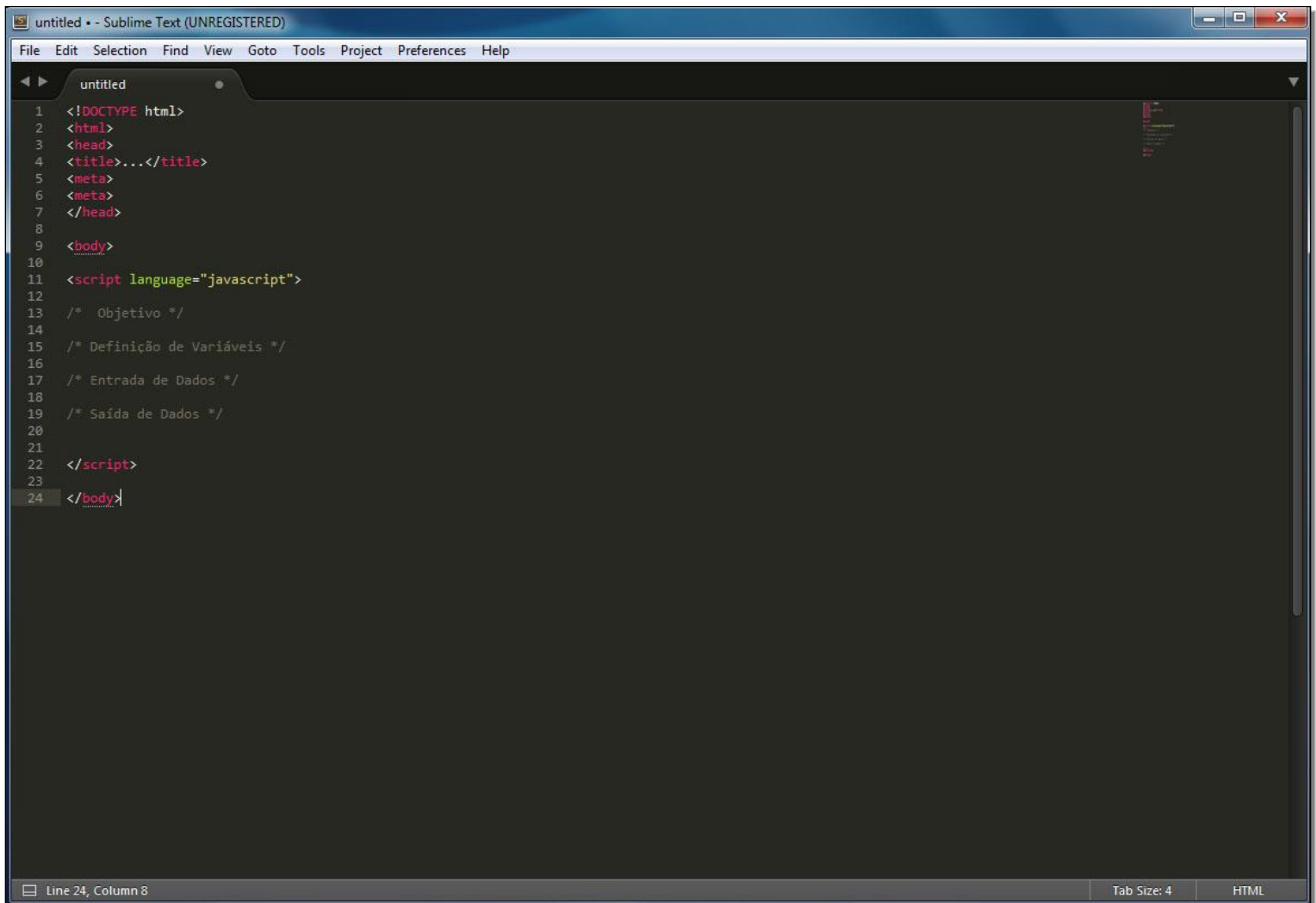
File Edit Selection Find View Goto Tools Project Preferences Help

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>...</title>
5 <meta>
6 <meta>
7 </head>
8
9 <body>
10
11 <script language="javascript">
12
13 /* Objetivo */
14
15 /* Definição de Variáveis */
16
17 /* Entrada de Dados */
18
19 /* Saída de Dados */
20
21
22 </script>
```

Dados
de
Saída
Entrada
Variáveis
Definição
meta
head

Line 22, Column 10

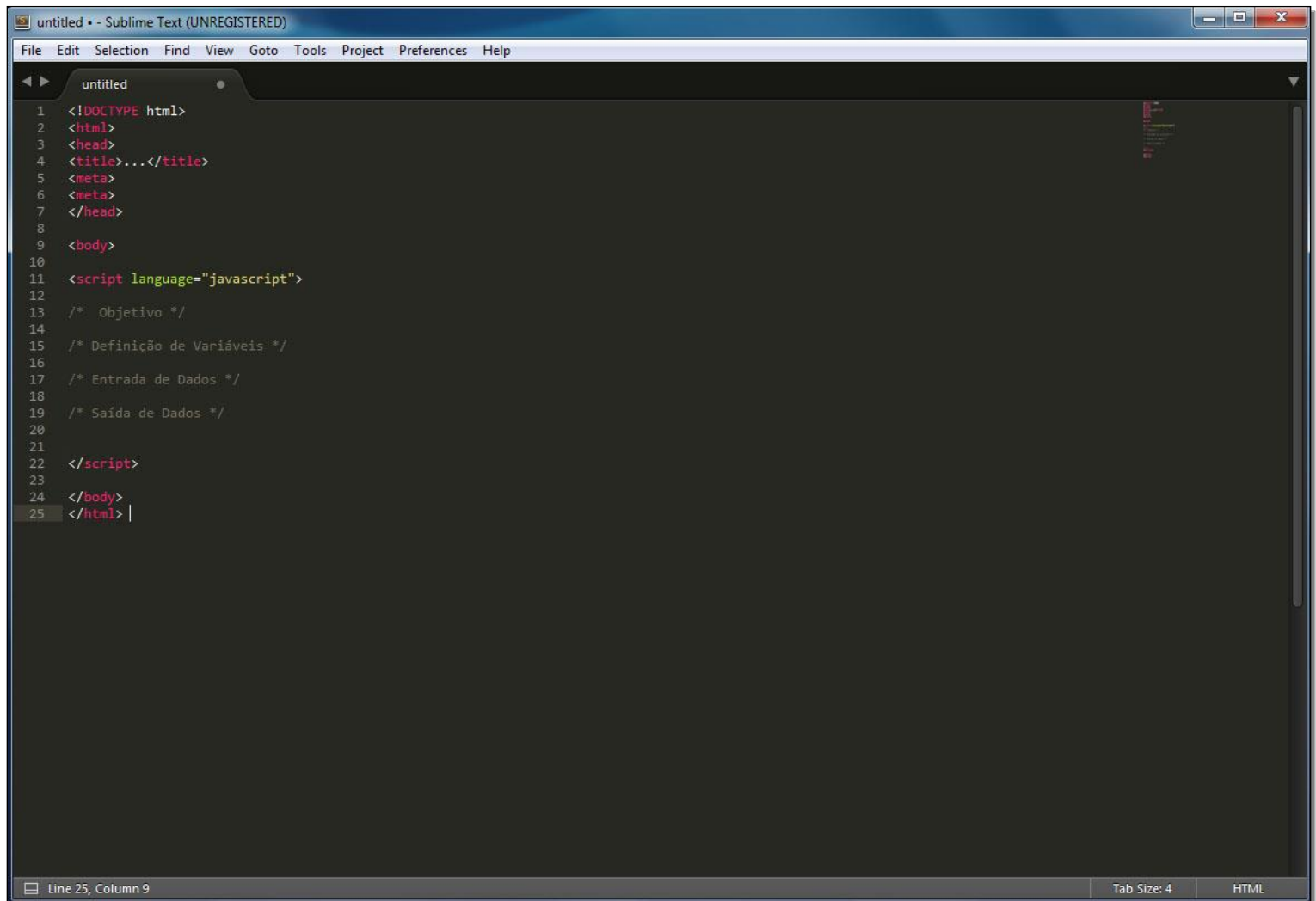
Tab Size: 4 HTML



The screenshot shows the Sublime Text editor interface with a single file named 'untitled'. The code is an HTML document structure with a JavaScript script placeholder. The code is as follows:

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>...</title>
5 <meta>
6 <meta>
7 </head>
8
9 <body>
10
11 <script language="javascript">
12
13 /* Objetivo */
14
15 /* Definição de Variáveis */
16
17 /* Entrada de Dados */
18
19 /* Saída de Dados */
20
21
22 </script>
23
24 </body>
```

The status bar at the bottom indicates 'Line 24, Column 8', 'Tab Size: 4', and 'HTML'.



The screenshot shows the Sublime Text editor interface with a single tab titled 'untitled'. The editor contains an HTML document structure with a JavaScript script placeholder. The code is as follows:

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>...</title>
5 <meta>
6 <meta>
7 </head>
8
9 <body>
10
11 <script language="javascript">
12
13 /* Objetivo */
14
15 /* Definição de Variáveis */
16
17 /* Entrada de Dados */
18
19 /* Saída de Dados */
20
21
22 </script>
23
24 </body>
25 </html> |
```

The status bar at the bottom indicates 'Line 25, Column 9', 'Tab Size: 4', and 'HTML'.



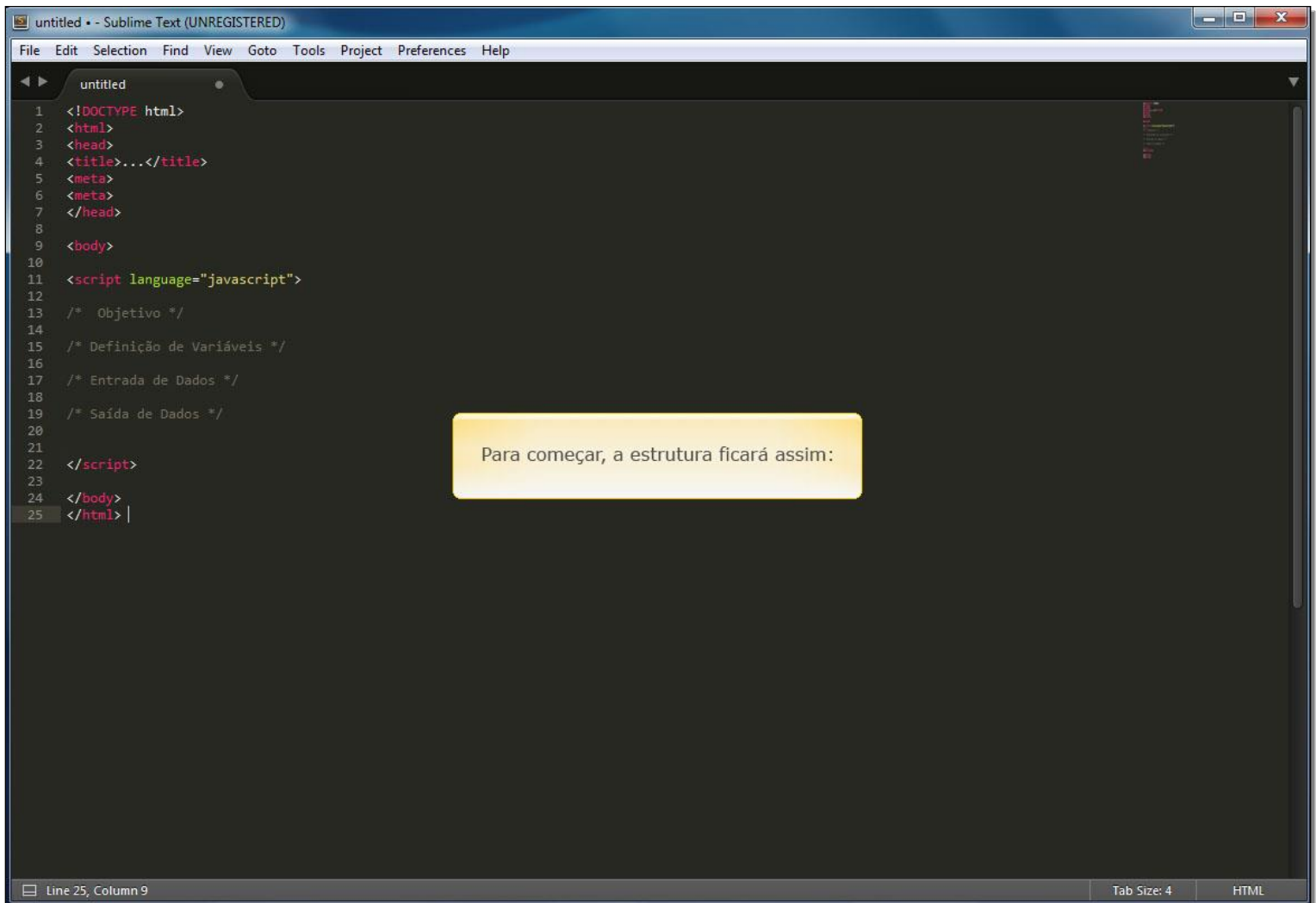
The screenshot shows the Sublime Text editor with a file named 'untitled'. The code is an HTML document with a JavaScript section. Lines 13 through 19 are comments in the JavaScript section, which are highlighted in gray. A callout box titled 'Observação:' explains that these gray lines are for documentation or comments, used by developers to facilitate and speed up the identification and localization of specific parts of the code for future changes or corrections, especially in long code files.

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>...</title>
5 <meta>
6 <meta>
7 </head>
8
9 <body>
10
11 <script language="javascript">
12
13 /* Objetivo */
14
15 /* Definição de Variáveis */
16
17 /* Entrada de Dados */
18
19 /* Saída de Dados */
20
21
22 </script>
23
24 </body>
25 </html> |
```

Observação:

As linhas cinza do código são linhas de documentação ou de comentário, que veremos mais adiante. Não são linhas obrigatórias no código, porém, são muito utilizadas pelos desenvolvedores de programas para facilitar e agilizar tanto a identificação quanto a localização de determinadas partes do código para futuras alterações ou correções, principalmente quando um código é extenso, com muitas instruções e agrupamentos de comandos, atingindo mais de 50, 100, 300 ou 1000 linhas de comando.

Line 25, Column 9 Tab Size: 4 HTML



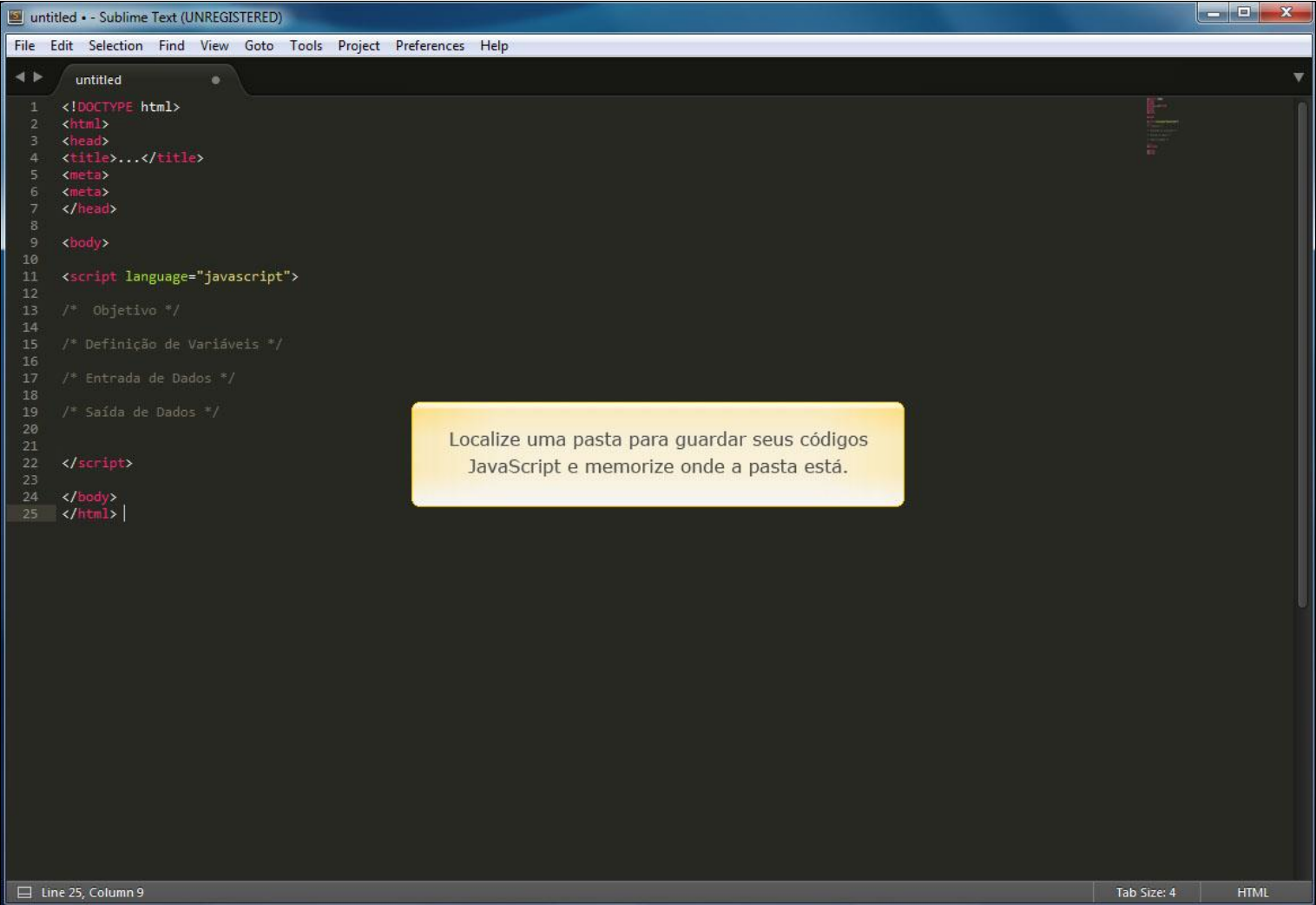
The screenshot shows the Sublime Text editor with a file named 'untitled'. The code is an HTML template with a JavaScript section. A yellow callout box is overlaid on the code, containing the text: 'Para começar, a estrutura ficará assim:'. The code is as follows:

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>...</title>
5 <meta>
6 <meta>
7 </head>
8
9 <body>
10
11 <script language="javascript">
12
13 /* Objetivo */
14
15 /* Definição de Variáveis */
16
17 /* Entrada de Dados */
18
19 /* Saída de Dados */
20
21
22 </script>
23
24 </body>
25 </html> |
```

Line 25, Column 9

Tab Size: 4

HTML

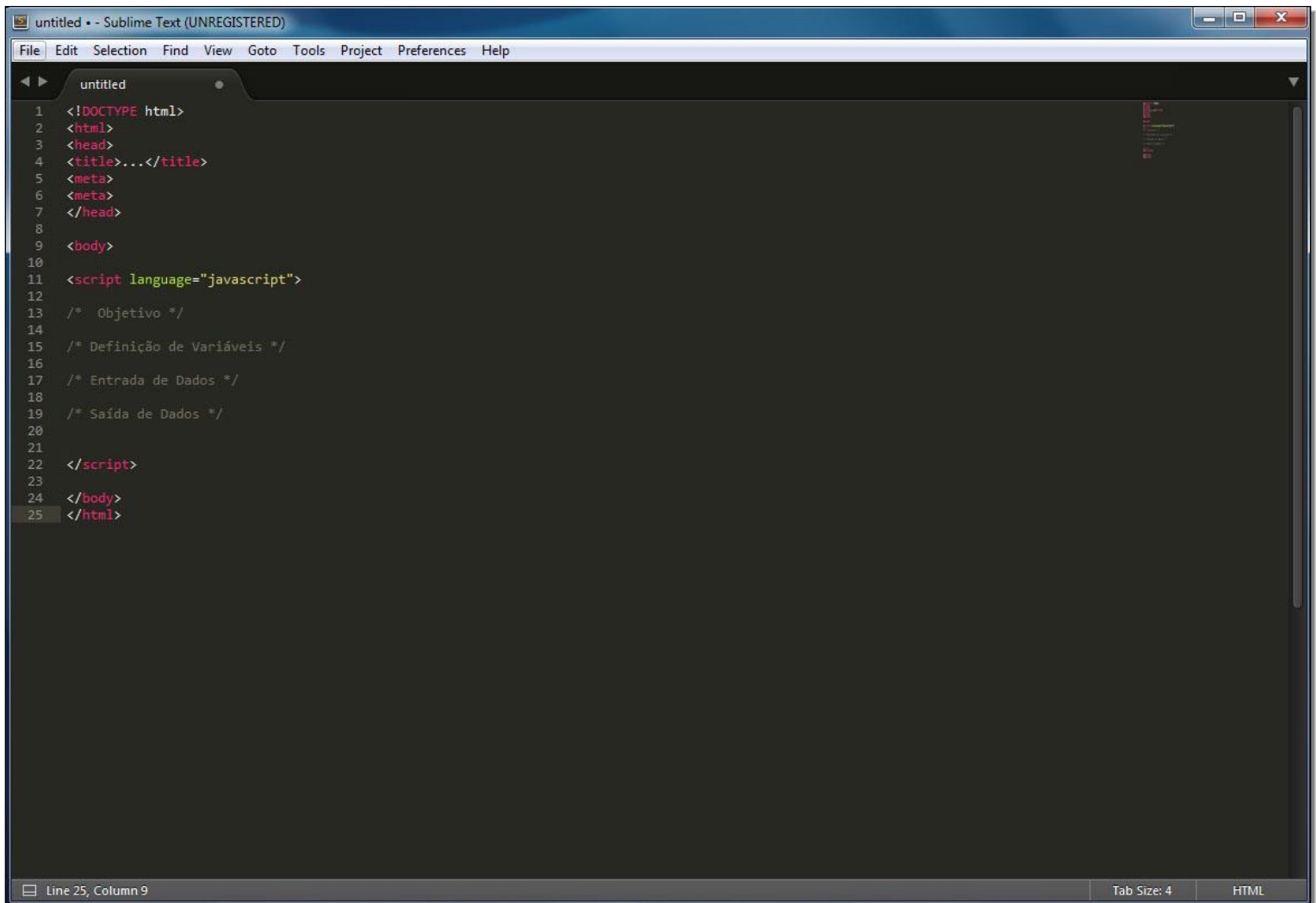


The screenshot shows the Sublime Text editor interface. The title bar reads "untitled - Sublime Text (UNREGISTERED)". The menu bar includes "File", "Edit", "Selection", "Find", "View", "Goto", "Tools", "Project", "Preferences", and "Help". The editor window contains an HTML document with the following code:

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>...</title>
5 <meta>
6 <meta>
7 </head>
8
9 <body>
10
11 <script language="javascript">
12
13 /* Objetivo */
14
15 /* Definição de Variáveis */
16
17 /* Entrada de Dados */
18
19 /* Saída de Dados */
20
21
22 </script>
23
24 </body>
25 </html> |
```

A yellow callout box is positioned over the code, containing the text: "Localize uma pasta para guardar seus códigos JavaScript e memorize onde a pasta está."

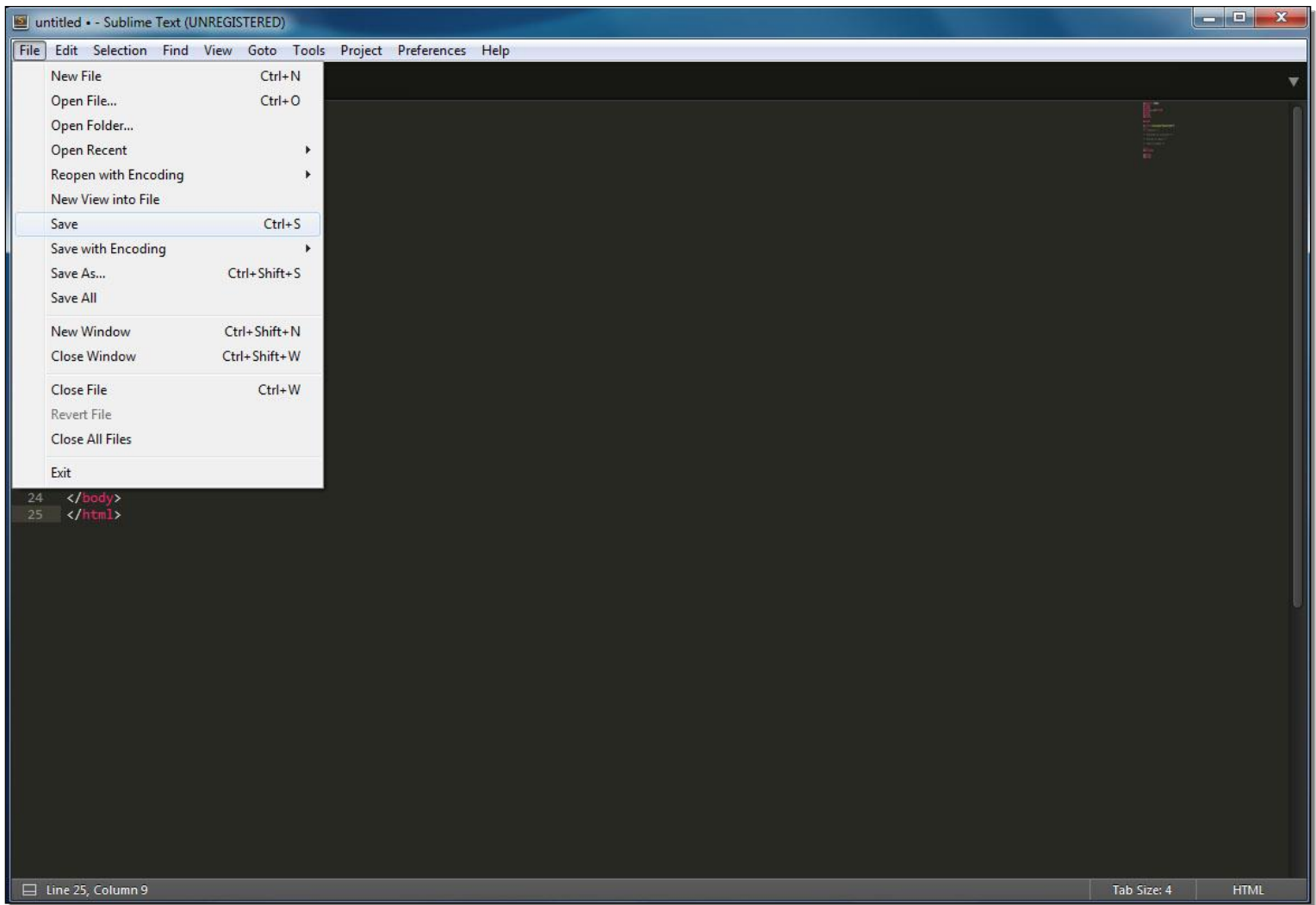
The status bar at the bottom indicates "Line 25, Column 9", "Tab Size: 4", and "HTML".

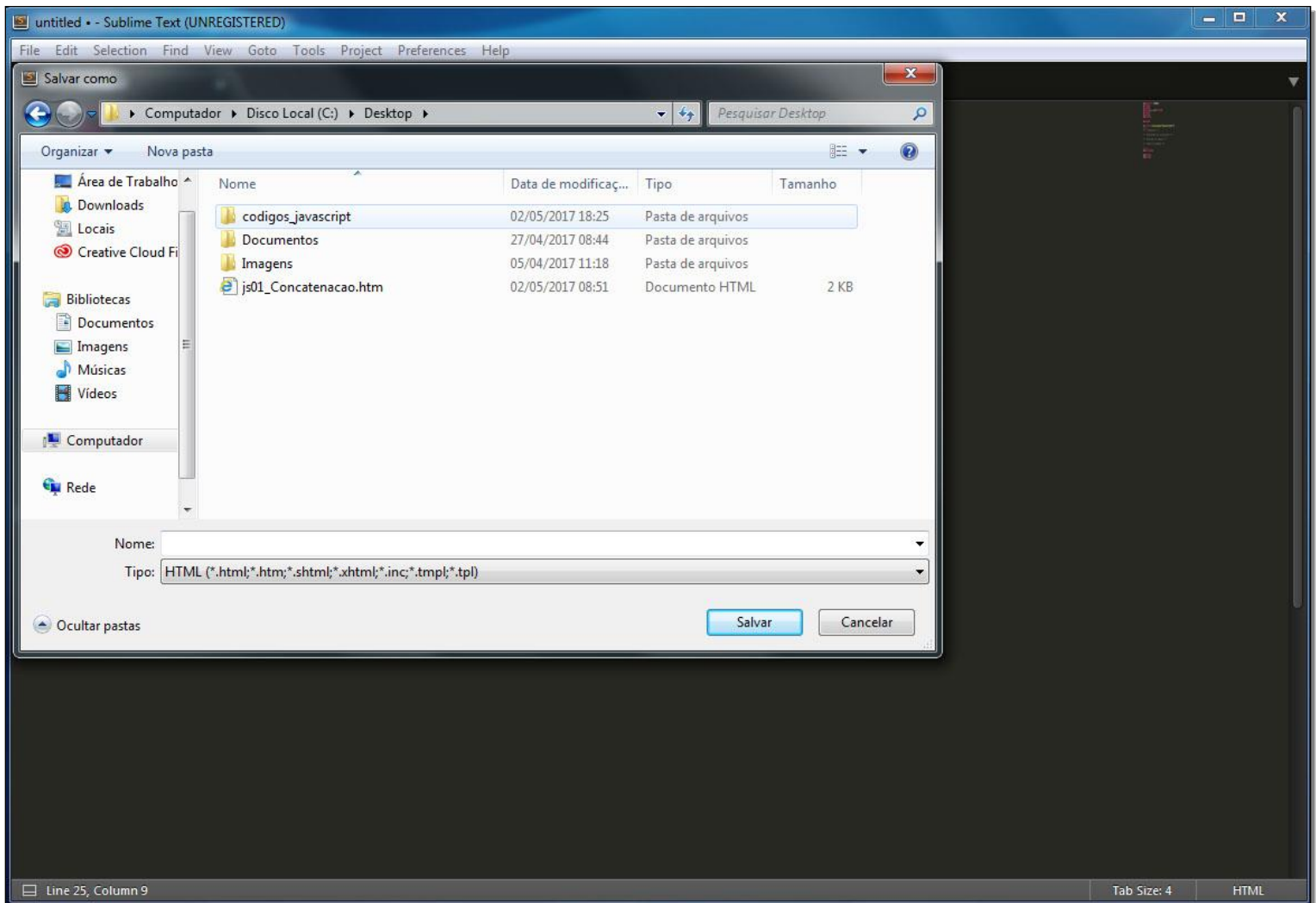


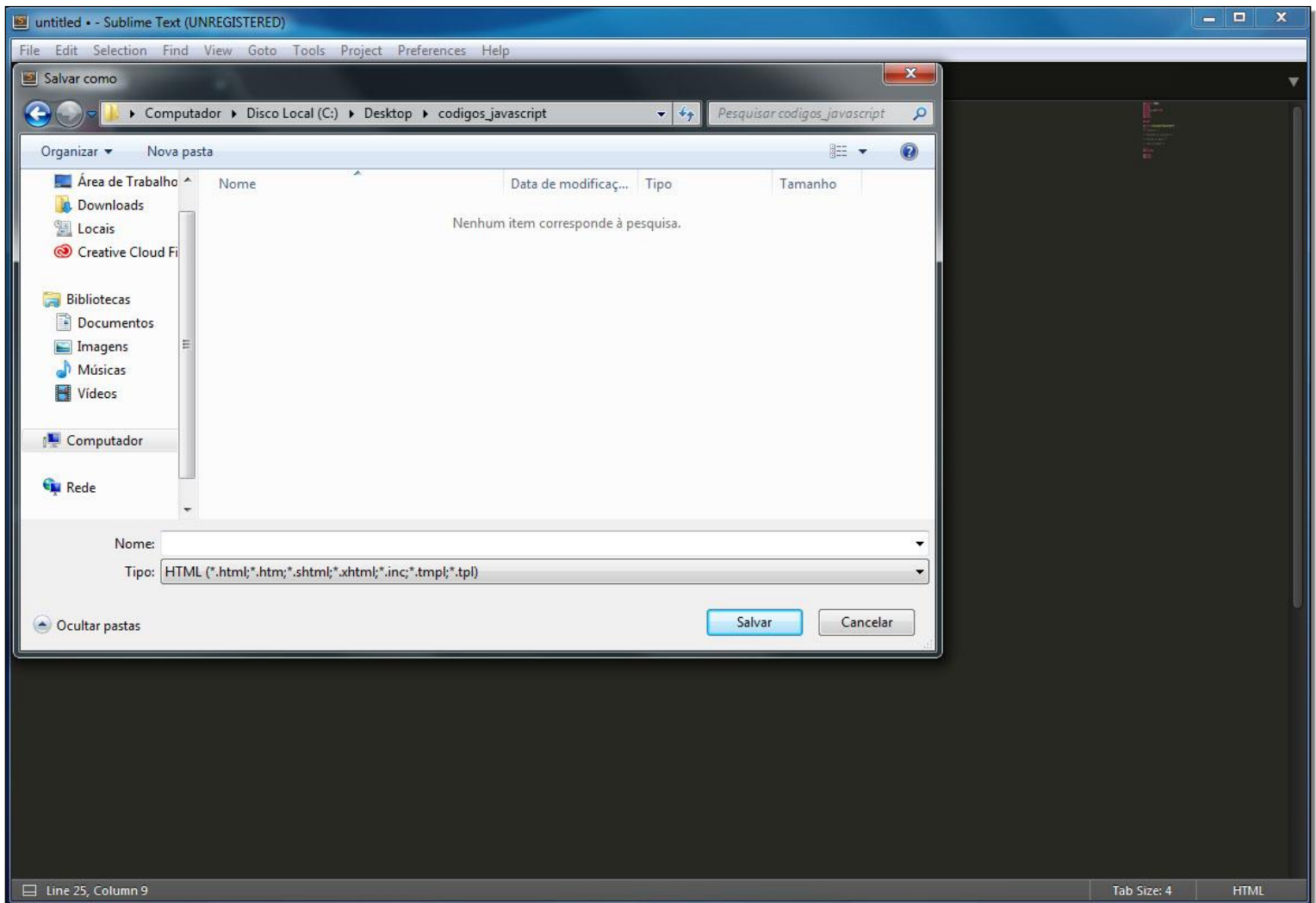
The screenshot shows the Sublime Text editor interface with a file named 'untitled'. The code is an HTML document with a JavaScript script section. The script contains several comments in Portuguese: 'Objetivo', 'Definição de Variáveis', 'Entrada de Dados', and 'Saída de Dados'. The cursor is positioned at the end of the HTML document on line 25.

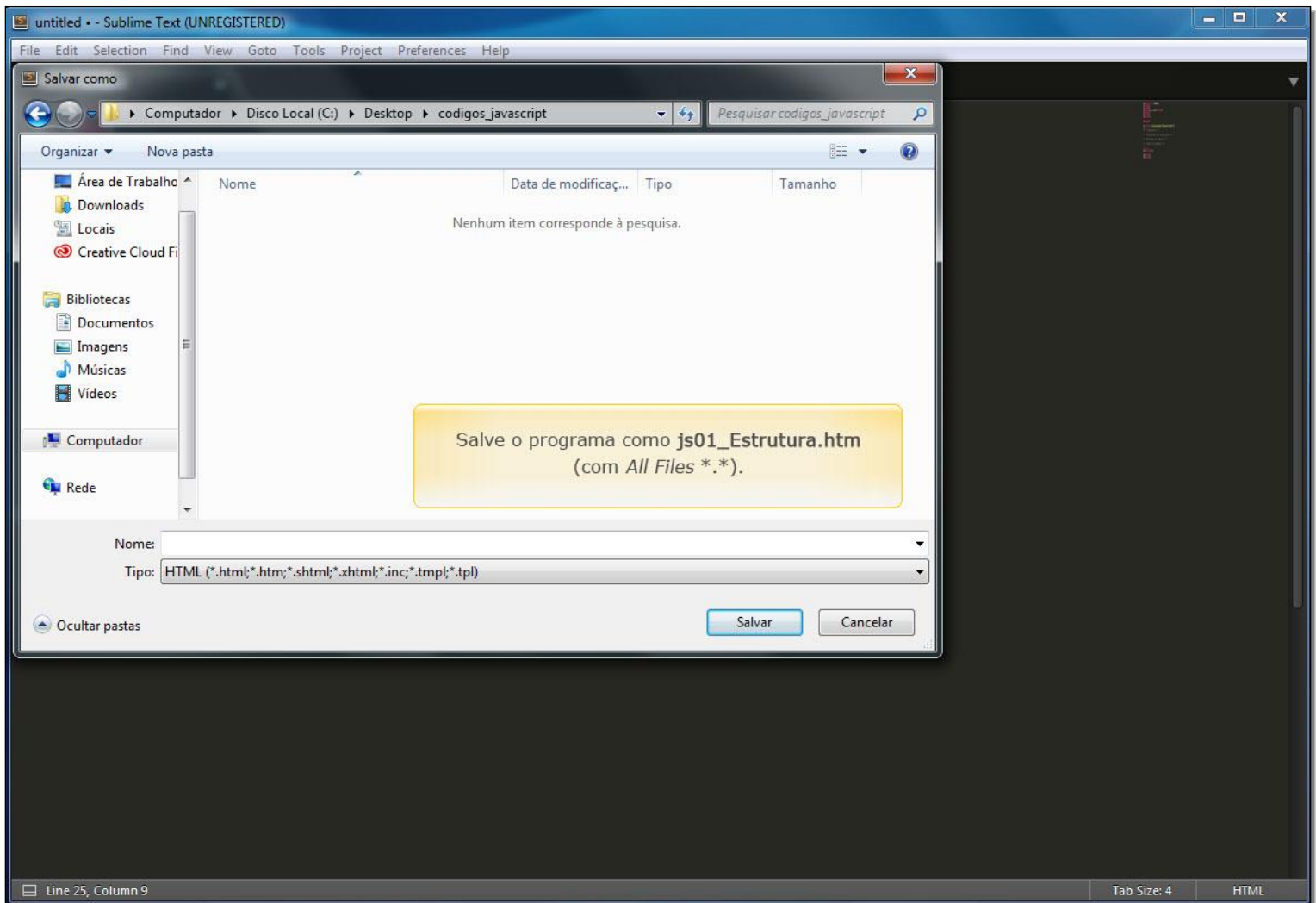
```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>...</title>
5 <meta>
6 <meta>
7 </head>
8
9 <body>
10
11 <script language="javascript">
12
13 /* Objetivo */
14
15 /* Definição de Variáveis */
16
17 /* Entrada de Dados */
18
19 /* Saída de Dados */
20
21
22 </script>
23
24 </body>
25 </html>
```

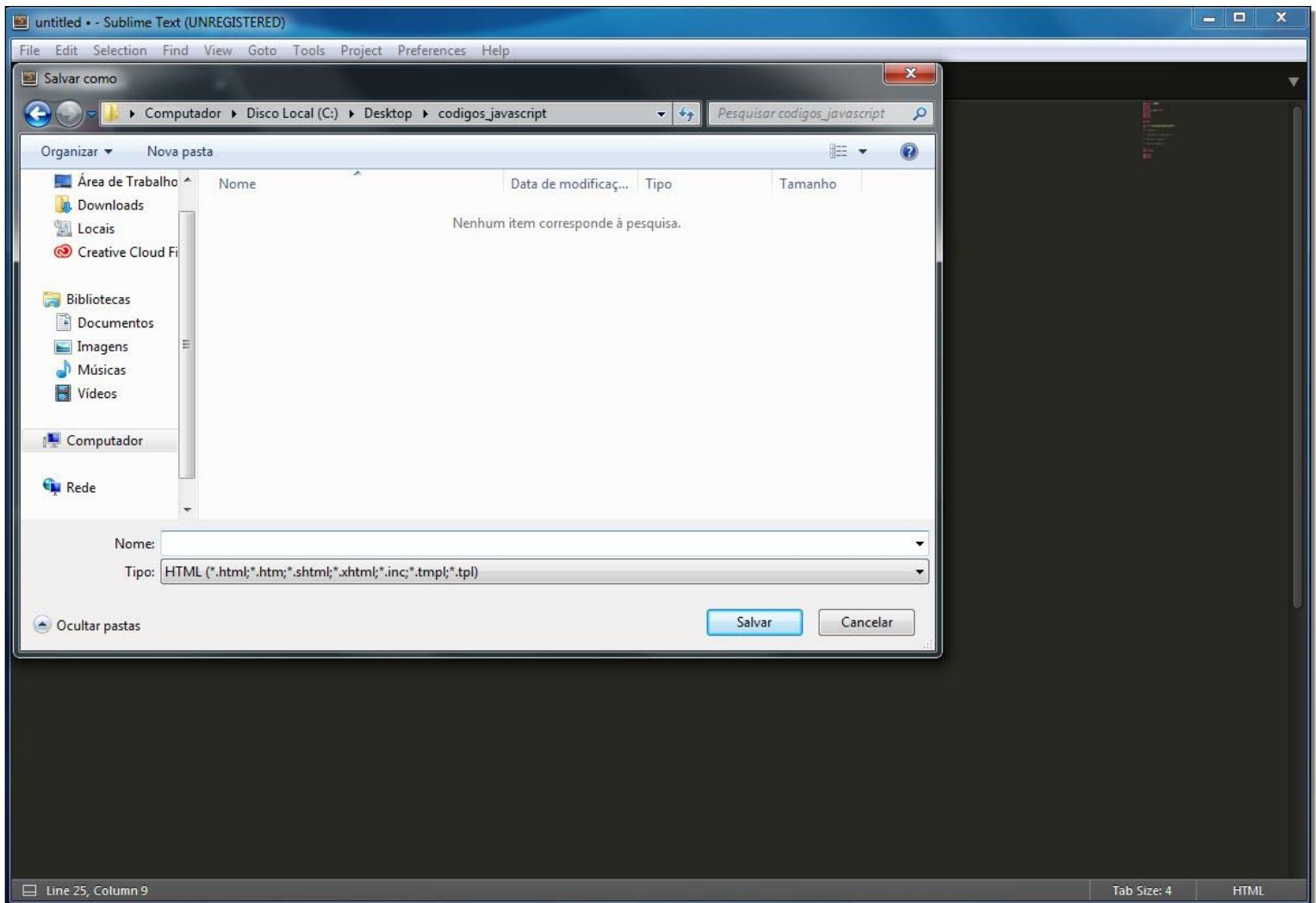
Line 25, Column 9 Tab Size: 4 HTML

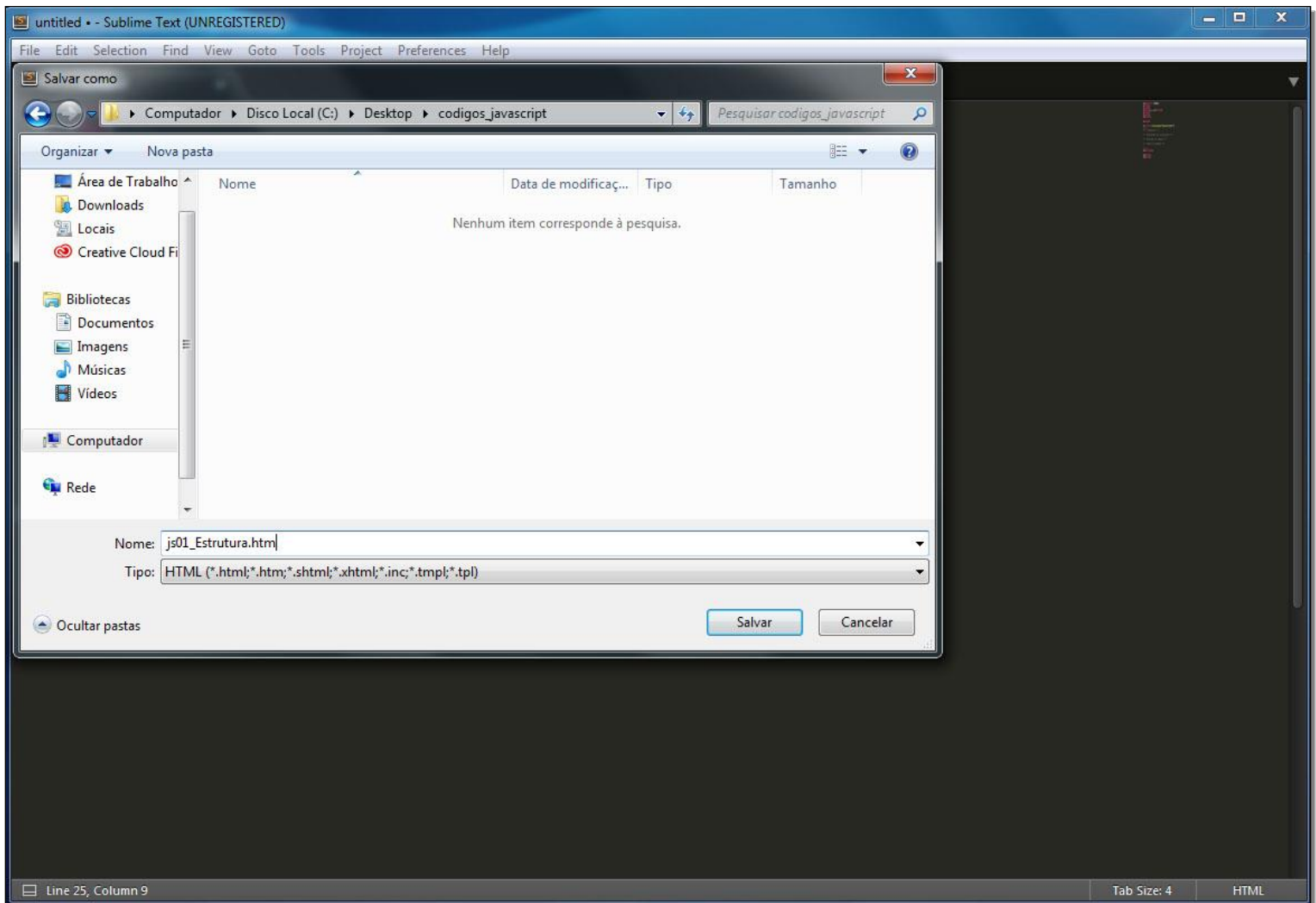


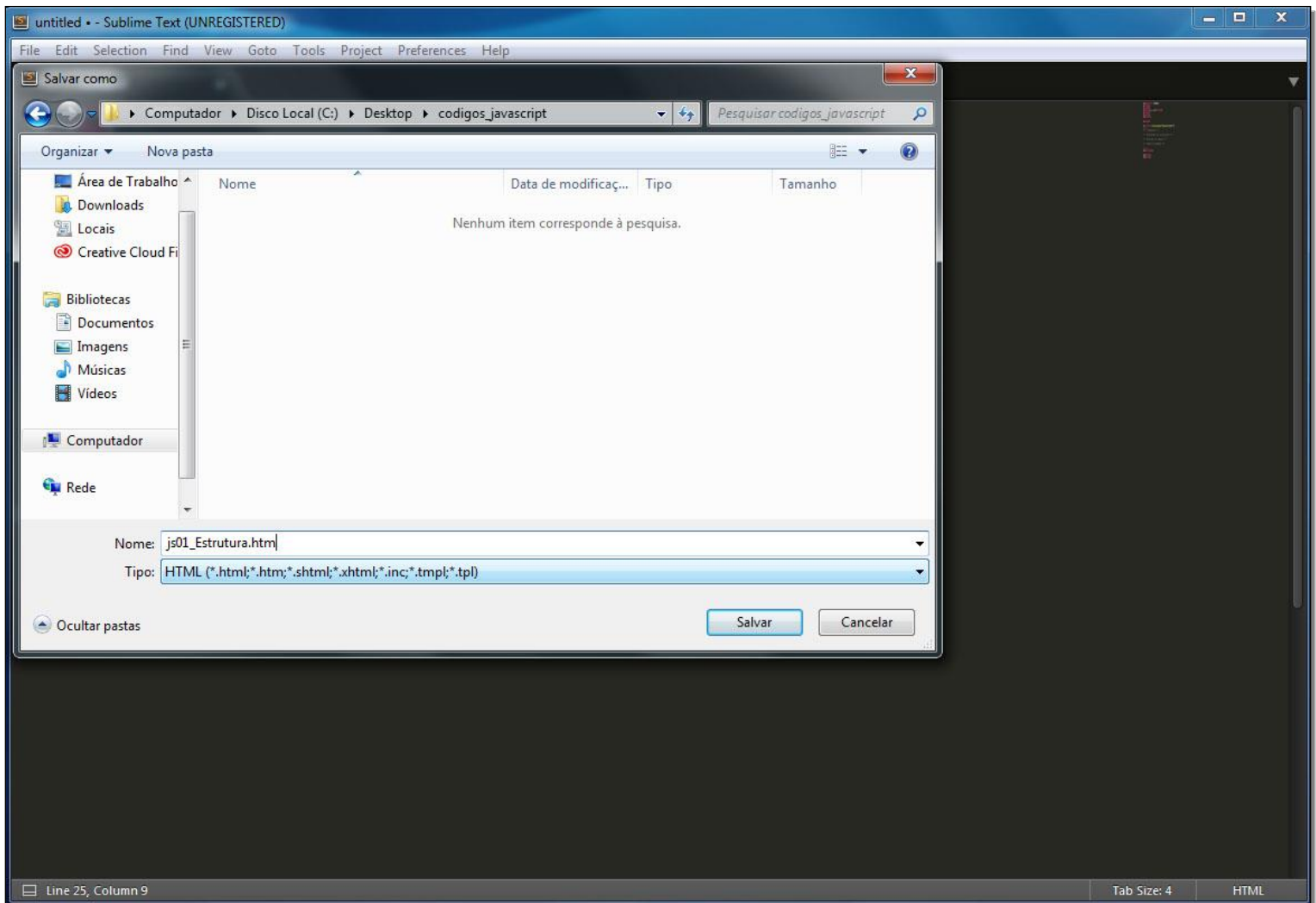


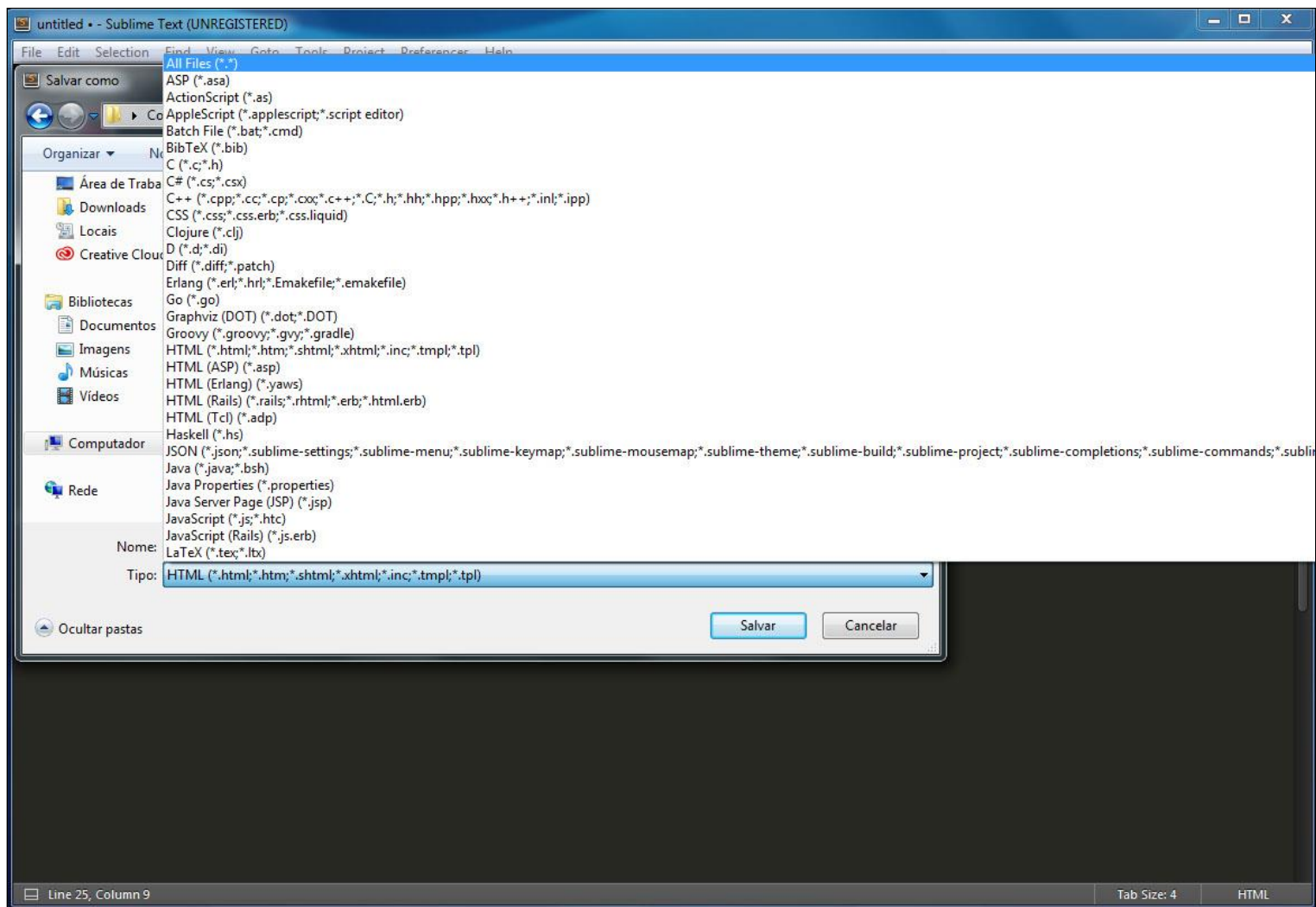


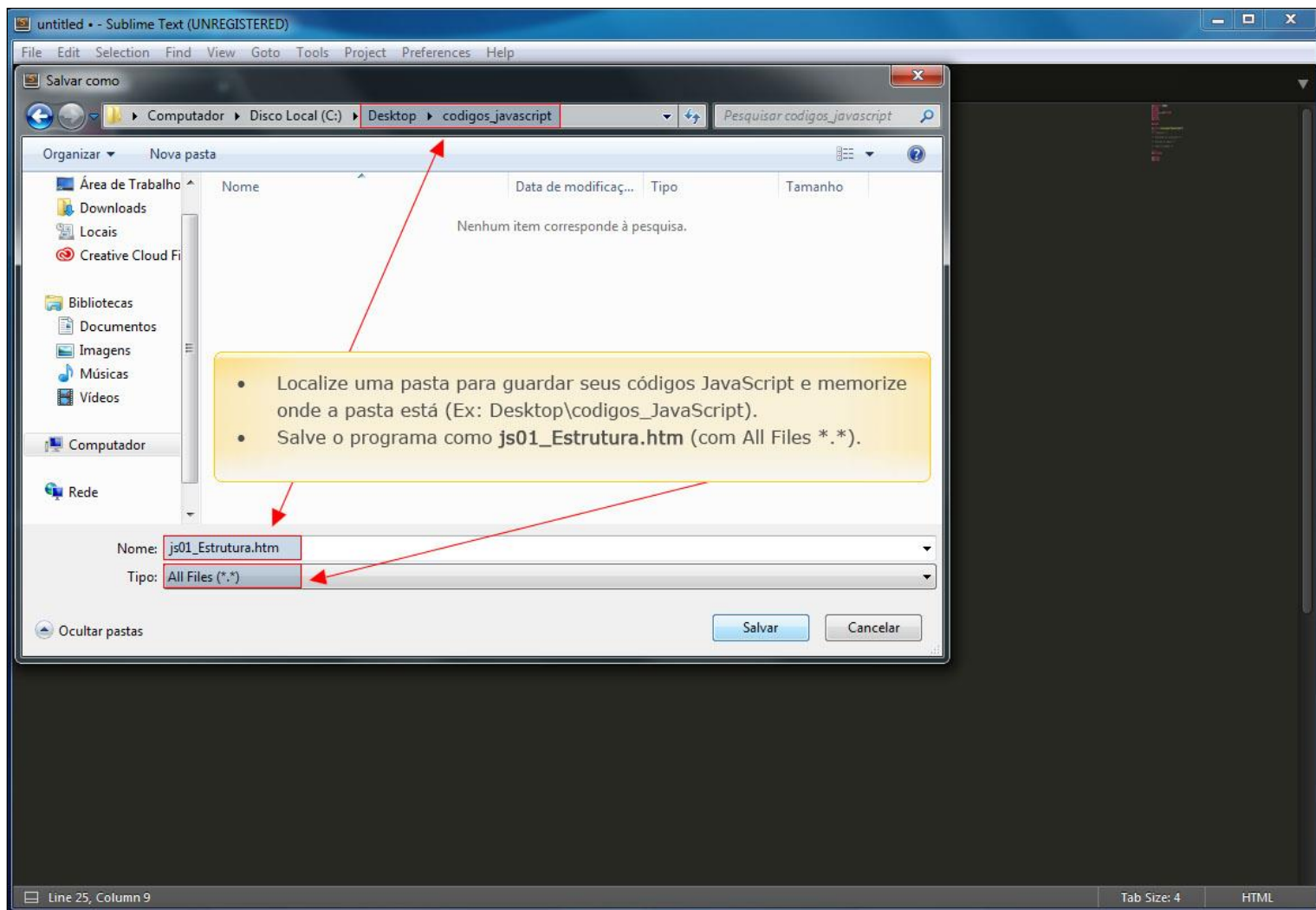


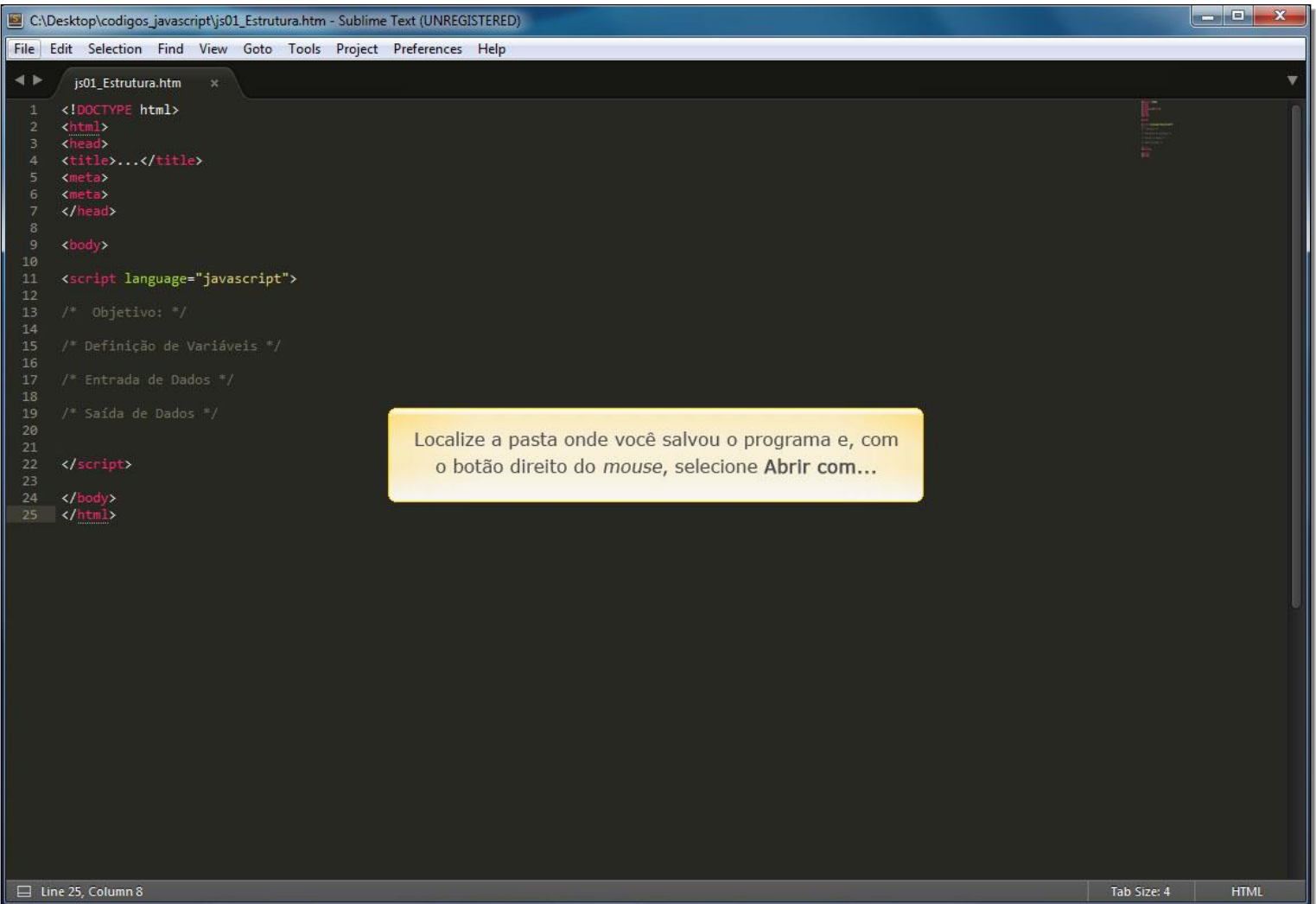








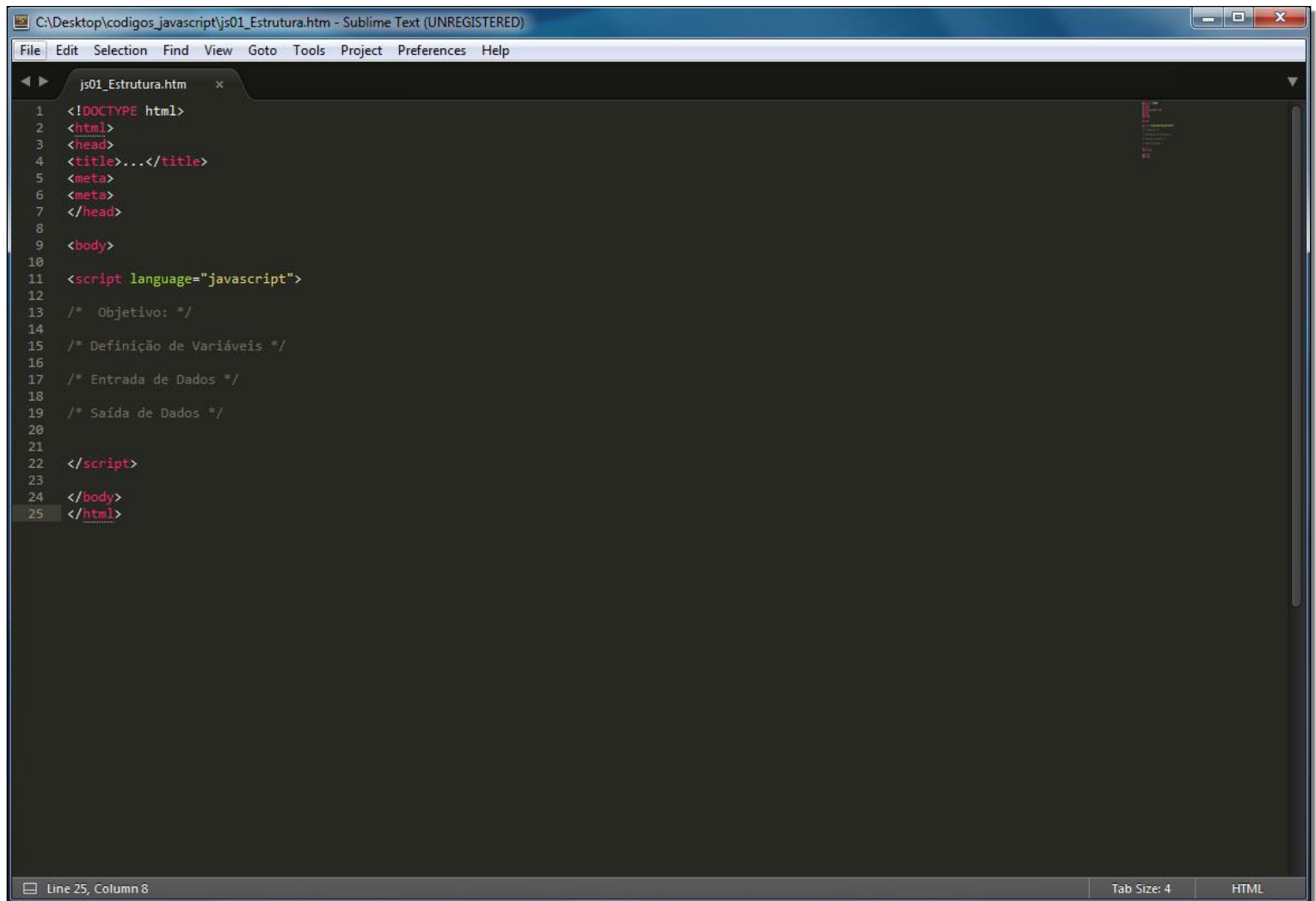




Localize a pasta onde você salvou o programa e, com o botão direito do *mouse*, selecione **Abrir com...**

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>...</title>
5 <meta>
6 <meta>
7 </head>
8
9 <body>
10
11 <script language="javascript">
12
13 /* Objetivo: */
14
15 /* Definição de Variáveis */
16
17 /* Entrada de Dados */
18
19 /* Saída de Dados */
20
21
22 </script>
23
24 </body>
25 </html>
```

Line 25, Column 8 Tab Size: 4 HTML



```
C:\Desktop\codigos_javascript\js01_Estrutura.htm - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help

js01_Estrutura.htm x
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>...</title>
5 <meta>
6 <meta>
7 </head>
8
9 <body>
10
11 <script language="javascript">
12 /* Objetivo: */
13
14 /* Definição de Variáveis */
15
16 /* Entrada de Dados */
17
18 /* Saída de Dados */
19
20
21 </script>
22
23 </body>
24 </html>
25
```

Line 25, Column 8 Tab Size: 4 HTML

