



Title	Essential Material for Humanities Researchers! Envisioning a New Path in Humanities Research with Text Data and TEI
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Citation	
Version Type	VoR
URL	https://doi.org/10.18910/104315
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The University of Osaka

TEI Hands-on

Preparing Visual Studio Code and Project Files

Setting up

Things to prepare

- Text editing software
- Tag creation support tool
- Internet connection



Visual Studio Code (Free)



(Paid)

Installing VS Code

 Visual Studio Code Docs Updates Blog API Extensions FAQ GitHub Copilot

 Search Docs

[Download](#)

Download Visual Studio Code

Free and built on open source. Integrated Git, debugging and extensions.



↓ Windows

Windows 10, 11

User Installer [x64](#) [Arm64](#)
System
Installer [x64](#) [Arm64](#)
.zip [x64](#) [Arm64](#)
CLI [x64](#) [Arm64](#)



↓ .deb

Debian, Ubuntu

↓ .rpm

Red Hat, Fedora, SUSE

.deb [x64](#) [Arm32](#) [Arm64](#)
.rpm [x64](#) [Arm32](#) [Arm64](#)
.tar.gz [x64](#) [Arm32](#) [Arm64](#)
Snap [Snap Store](#)
CLI [x64](#) [Arm32](#) [Arm64](#)



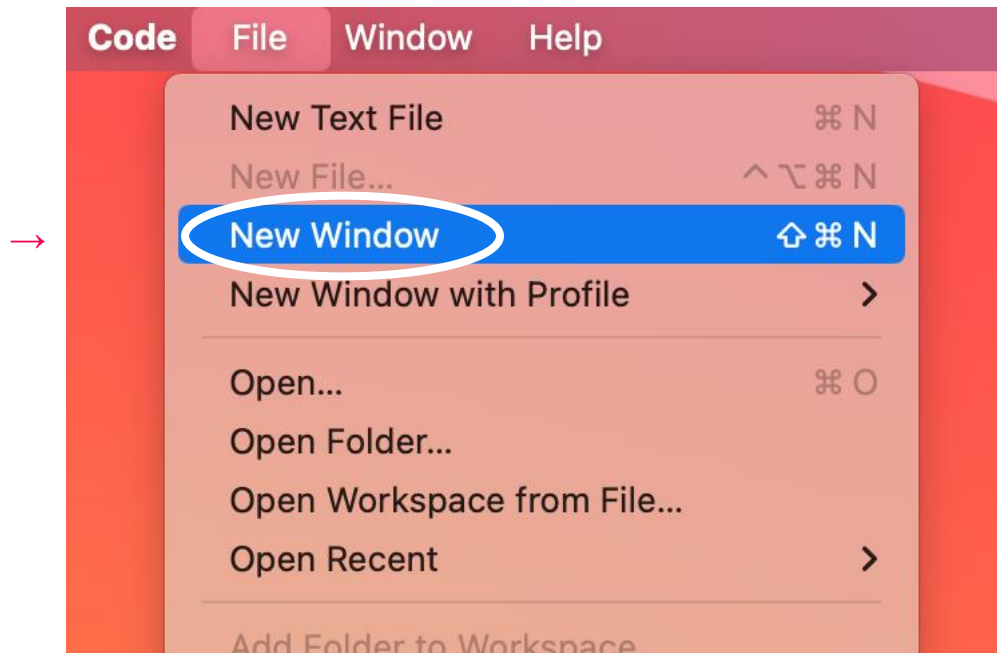
↓ Mac

macOS 10.15+

.zip [Intel chip](#) [Apple silicon](#) [Universal](#)
CLI [Intel chip](#) [Apple silicon](#)

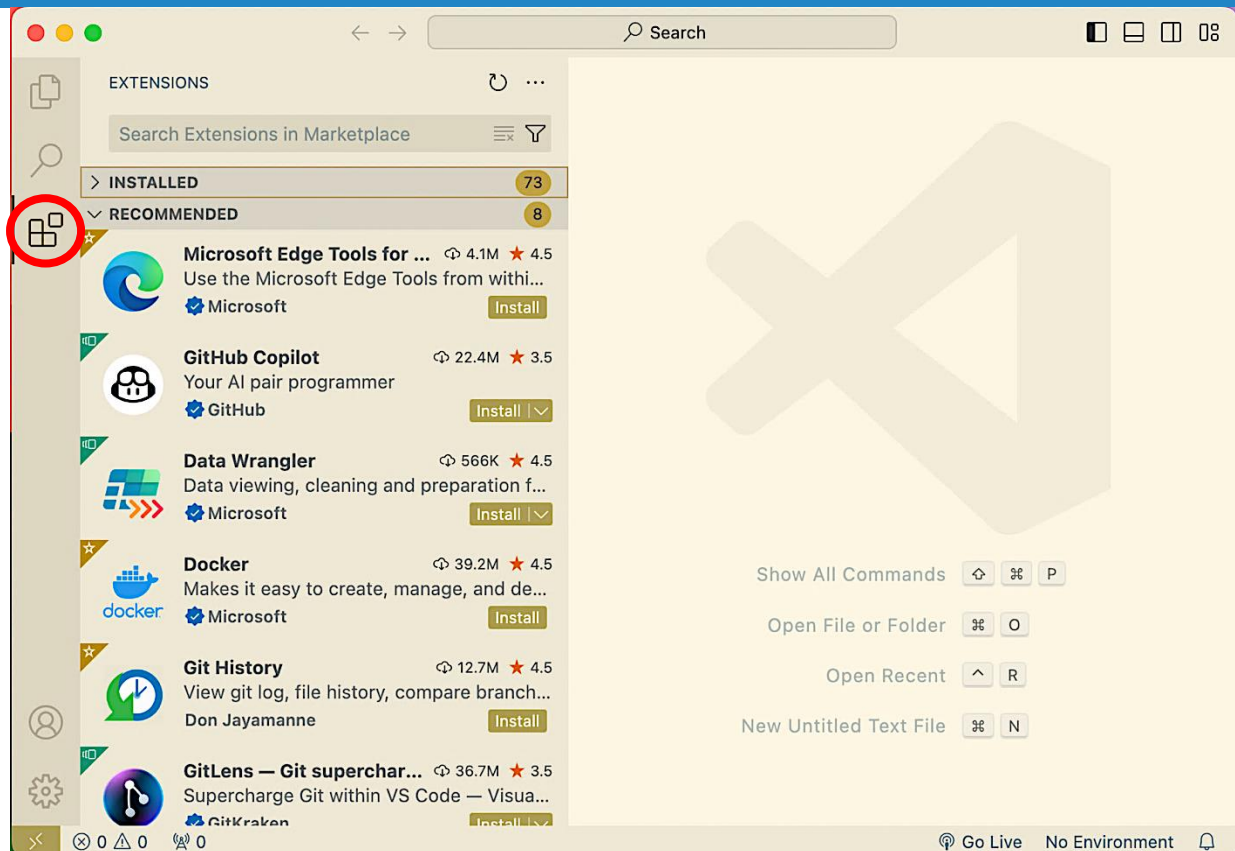
<https://code.visualstudio.com/Download>

Opening a New Window in VS Code



Opening a New Window in VS Code

Extensions→



Changing the Menu to Japanese

The screenshot shows the Visual Studio Code interface with the Extensions Marketplace open. The search bar contains the text "japanese". The "Japanese Language Pack for Visual Studio Code" extension by Microsoft is highlighted with a red circle. A red arrow points from the "Install" button on this extension to a pink box containing the text "Click 'install'".

EXTENSIONS: MARKETPLACE

Search:

- Japanese Language Pack for Visual Studio Code** (10M, 4.5 stars, Microsoft)
日本語
Install
- Japanese Word Handler** (51K, 5 stars, Suguru Yamamoto)
Better Japanese word handling on cursor...
Install
- 日本語** (16K, Adam Voss)
Enables grammar checking of Japanese ...
Install
- Japanese City Pop** (3K, 5 stars, wu-chinese)
I like it when the color pops out to me, th...
Install
- Reflow Japanese** (1K, Yodoware Inc.)
Reflows and wraps texts based on the Ja...
Install
- Japanese Novel Extension Pack** (3K)

Extension: Japanese Language Pack for Visual Studio Code

Japanese Language Pack for VS Code

Microsoft microsoft.com | 10,051,088 |
Language pack extension for Japanese

Install ☒ Auto Update

Click "install"

DETAILS FEATURES CHANGELOG

Japanese Language Pack for VS Code

Japanese Language Pack は VS Code にローカライズされた UI を提供します。

使用方法

Categories

Language Packs

Resources

- [Marketplace](#)
- [Issues](#)
- [Repository](#)
- [Microsoft](#)

Changing the Menu to Japanese

EXTENSIONS: MARKETPLACE

japanese

Japanese Language Pack for Visual St...
日本語
Microsoft

Japanese Word Handler 51K ★ 5
Better Japanese word handling on curso...
Suguru Yamamoto

Japanese Support for Language... 16K
Enables grammar checking of Japanese ...
Adam Voss

Japanese City Pop 3K ★ 5
I like it when the color pops out to me, th...
wu-chinese

Reflow Japanese 1K
Reflows and wraps texts based on the Ja...
Yodoware Inc.

Japanese Novel Extension Pack 3K
VSCo extension pack for writing Japa...
Fuji Nakahara

Japanese Word Count 1K ★ 5

Japanese Language Pack for Visual Studio Code

Microsoft microsoft.com

Language pack extension f...

Uninstall Auto Update

DETAILS FEATURES CHANGELOG

Japanese Language Pack for VS Code

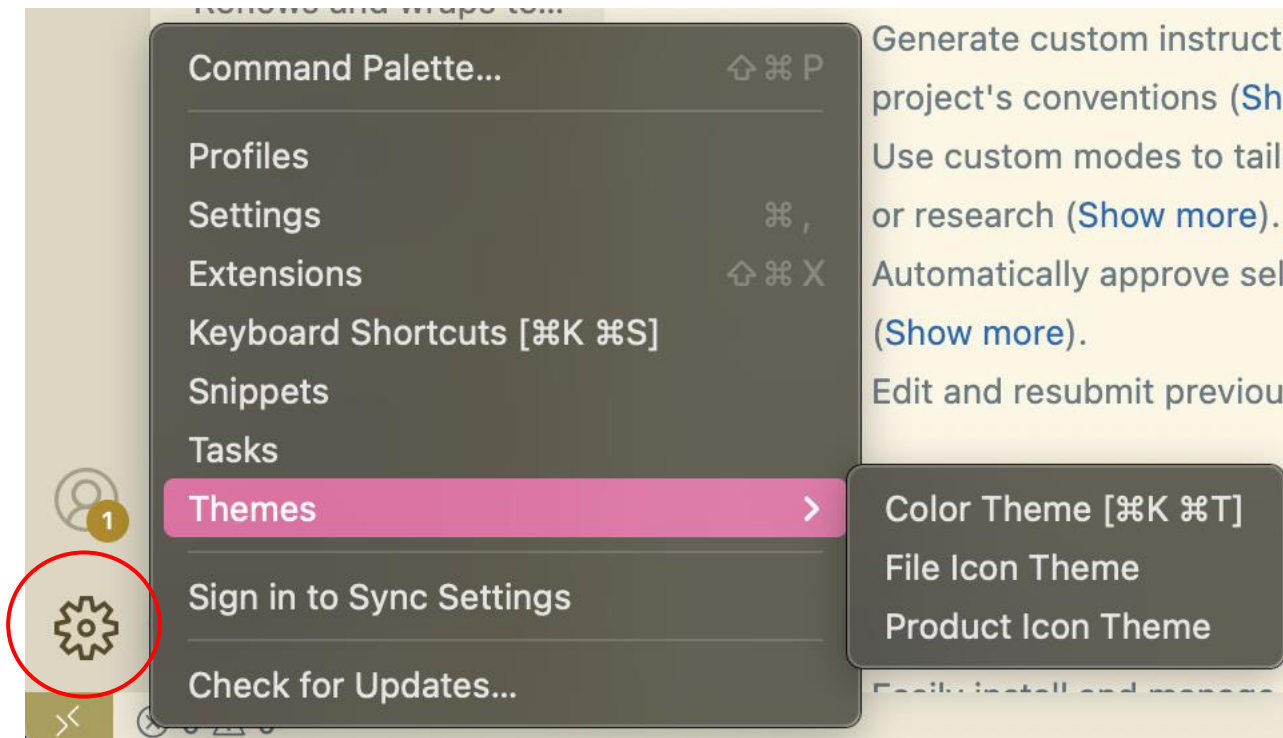
Japanese Language Pack は VS Code にローカライズされた UI を提供します。

Would you like to change Visual Studio Code's display language to Japanese and restart?

Change Language and Restart

Please restart the Application

Choosing a Comfortable Color Scheme



This Theme is: 「Solarized Light」

Installing TEI-Specific Extensions

EXTENSIONS: MARKETPLACE

tei

**tei-publisher-vscode** 4ms
Visual Studio Code extension to su...
e-editiones

**XML** 8.4M ★ 4
XML Language Support by Red Hat
Red Hat **Install**

**TGP - Teixeira Good P...** 543 ★ 5
Command set to validate package ...
Gabriel Teixeira **Install**

**Red Hat Integration - ...** 3K ★ 5
VS Code tools to work with Virtual ...
Red Hat **Install**

**Extension Pack for Data Vi...** 1K
VS Code extensions for Data Virtu...
Red Hat **Install**

**language-markit** 335
Markit language support for Atom ...
englishphilosophy **Install**

**menota-snippets** 80
Useful Code Snippets for Menota T...
Balduin Landolt **Install**

Extension: tei-publisher-vscode X

Extension: XML Tools

meros_unformatted.xml

**tei-publisher-vscode** v1.1.1
e-editiones | 4,656 | ★★★★★(1)
Visual Studio Code extension to support TEI editing
Disable **Uninstall**  
This extension is enabled globally.

Details

Feature Contributions

Changelog

Runtime Status

TEI Publisher Extension for Visual Studio Code

An extension to help editors work on TEI and other XML documents. Only one of the features, namely preview, requires an instance of TEI Publisher. The rest is generally usable for XML editing.

Features

Categories

Other

Extension Resources

[Marketplace](#)
[Repository](#)
[e-editiones](#)

Installing XML-Specific Extensions

EXTENSIONS: MARKETPLACE

xml

-  **XML** 8.4M ★ 4
XML Language Support by Red Hat
Red Hat [Install](#)
-  **XML Tools** 30ms
XML Formatting, XQuery, and XPat...
Josh Johnson [Install](#)
-  **C# XML Documenta...** 1.4M ★ 4.5
Generate C# XML documentation ...
Keisuke Kato [Install](#)
-  **XML Format** 480K ★ 4.5
Format XML documents
Mike Burgh [Install](#)
-  **Pretty XML** 317K ★ 4.5
XML formatter extension for Visual...
Prateek Mahendrakar [Install](#)
-  **Close HTML/XML tag** 390K ★ 4
Quickly close last opened HTML/X...
Compulim [Install](#)
-  **XML Toolkit** 205K ★ 5
Language Support for XML

Extension: XML Tools × meros_unformatted.xml

XML Tools v2.5.1

Josh Johnson | 7,067,469 | ★★★★★ (81)

XML Formatting, XQuery, and XPath Tools for Visual Studio Code

[Disable](#) [Uninstall](#) [Refresh](#) [Settings](#)

This extension is enabled globally.

[Details](#) [Feature Contributions](#) [Changelog](#) [Runtime Status](#)

XML Tools for Visual Studio Code

VERSION	V2.5.1	RATING	4.1 / 5 (81)
TWITTER	@DOTJOHNSON	GITTER	JOIN CHAT
404 badge not found			

Features

Categories

- Formatters
- Programming Languages
- Linters
- Other

Extension Resources

Installing XML-Specific Extensions

The screenshot displays the VS Code interface with the Extensions Marketplace open. The left sidebar shows the 'EXTENSIONS: MARKETPLACE' view with a search bar containing 'xml'. A list of extensions is shown, including 'NativeScript XML Snippets', 'Scholarly XML', 'XML Layout for Flutter', 'custom-xml-formatter', and 'Salesforce XML Formatter'. The 'Scholarly XML' extension is selected, and its details are shown on the right. The extension is by 'raffazizzi', has 15,295 installations, and a 5-star rating. It is described as an 'XML validator (RELAX NG only) and autocompleter'. The 'Install' button is highlighted, and the 'Auto Update' checkbox is checked. The extension's icon is a stylized leaf inside a circle, flanked by XML tags. The details section on the right includes tabs for 'DETAILS', 'FEATURES', and 'CHANGELOG', and a description of the extension's functionality.

EXTENSIONS: MARKETPLACE

Search

Extension: Scholarly XML

Scholarly XML

raffazizzi | 15,295 | ★★★★★ (5)

XML validator (RELAX NG only) and autocompleter

Install ☒ Auto Update ⚙️

DETAILS FEATURES CHANGELOG

Scholarly XML

Scholarly XML is a VSCode extension with a RELAX NG validator and autocomplete with features typically needed by academic encoding projects.

(Recommended) Helpful Tools for Tag Creation

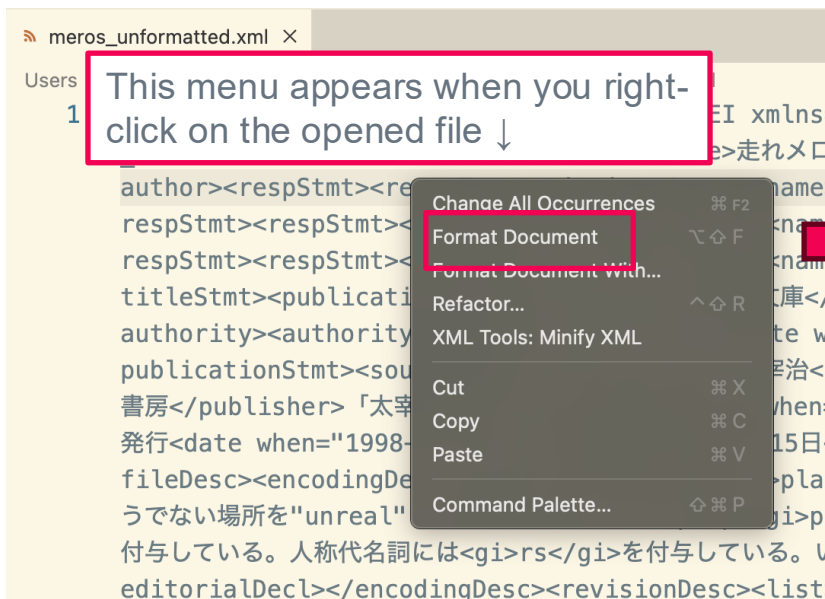
Auto Close Tag

- Automatically inserts the closing tag when creating a new tag

Auto Rename Tag

- Automatically changes the name of the paired tag when a tag is modified

Autoformatting



↑Example of a hard-to-read code
“meros_unformatted.xml”

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <TEI xmlns="http://www.tei-c.org/ns/1.0">
3   <teiHeader>
4     <fileDesc>
5       <titleStmt>
6         <title>走れメロス</title>
7         <author>太宰治</author>
8         <respStmt>
9           <resp>Transcription</resp>
10          <name>金川一之</name>
11        </respStmt>
12        <respStmt>
13          <resp>Proofreading</resp>
14          <name>高橋美奈子</name>
15        </respStmt>
16        <respStmt>
17          <resp>TEI encoding</resp>
18          <name>永崎研宣</name>
19        </respStmt>
20      </titleStmt>
21      <publicationStmt>
22        <distributor>青空文庫</distributor>
23        <authority>金川一之</authority>
24        <authority>高橋美奈子</authority>
25        <date when="2011-01-17">2011年1月17日</date>
26      </publicationStmt>
27      <sourceDesc>
28        <bibl>
29          <author>太宰治</author>
30          <title>走れメロス</title>
31          <publisher>筑摩書房</publisher> 「太宰治全集3」
32        </sourceDesc>
```

Recommended extension: indent-rainbow

rainbow

indent-rainbow v8.3.1

10.7M | ★ 5

Makes indentation easier to read

Activation time: 1ms

This extension is enabled globally.

indent-rainbow

Makes indentation easier to read

oderwat

Rainbow Brackets

A rainbow brackets extension for V...

2gua

Install

rainbow

rainbow-template

Install

Rainbow Brackets

A customizable extension for colori...

Mhammed Talhaouy

Install

```
1  var dest
2  while(dest)
3  {
4    var
5    off
6    inoff
7    while
8    dest
9
10
11
```

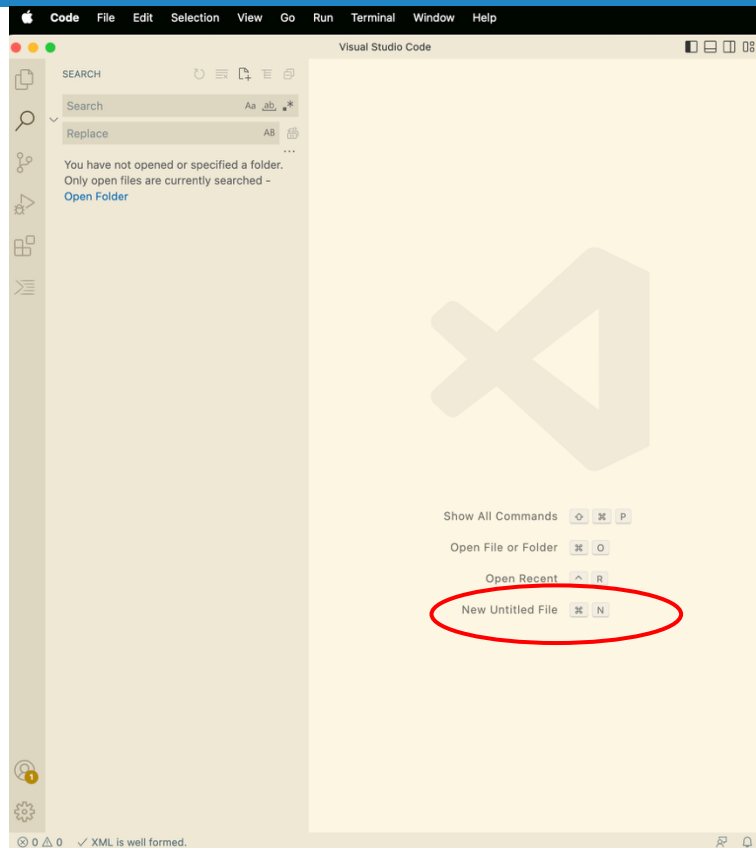
```
<?xml version="1.0" encoding="utf-8"?>
<title>走れメロス</title>
<author>太宰治</author>
<respStmt>
  <resp>Transcription</resp>
  <name>金川一之</name>
</respStmt>
```

Creating a New XML File in VSCode

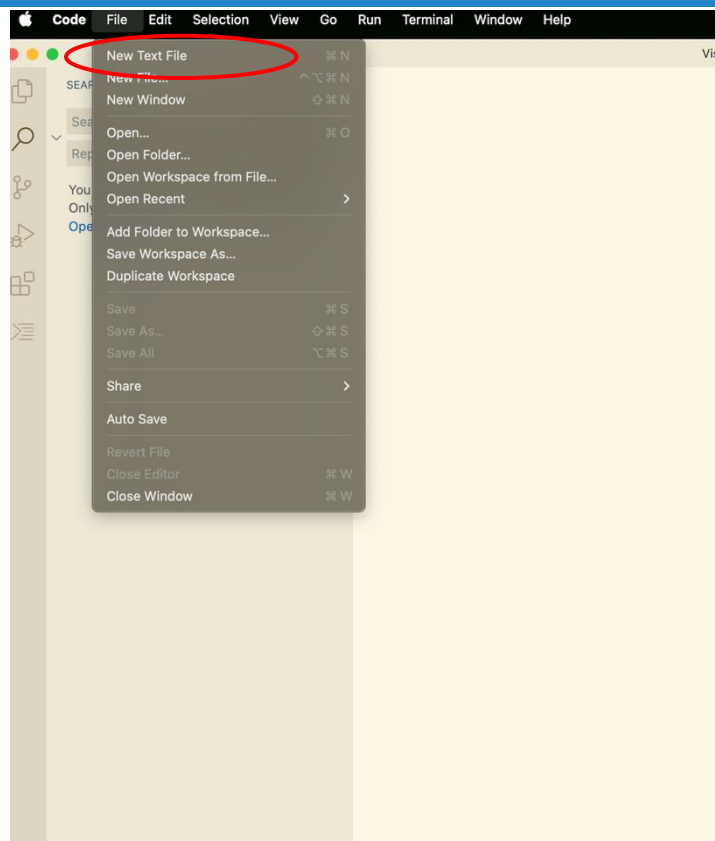
Method 1: Shortcut

(Mac)
Cmd + N

(Windows)
Control + N



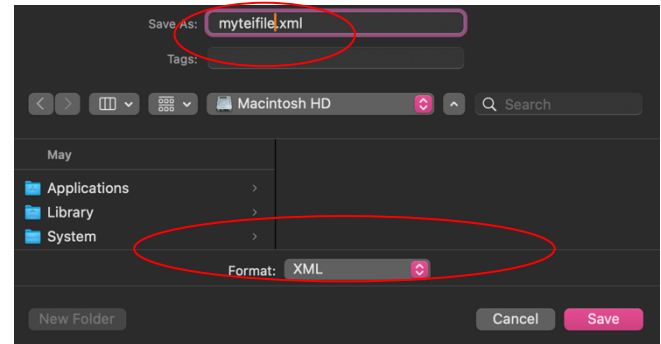
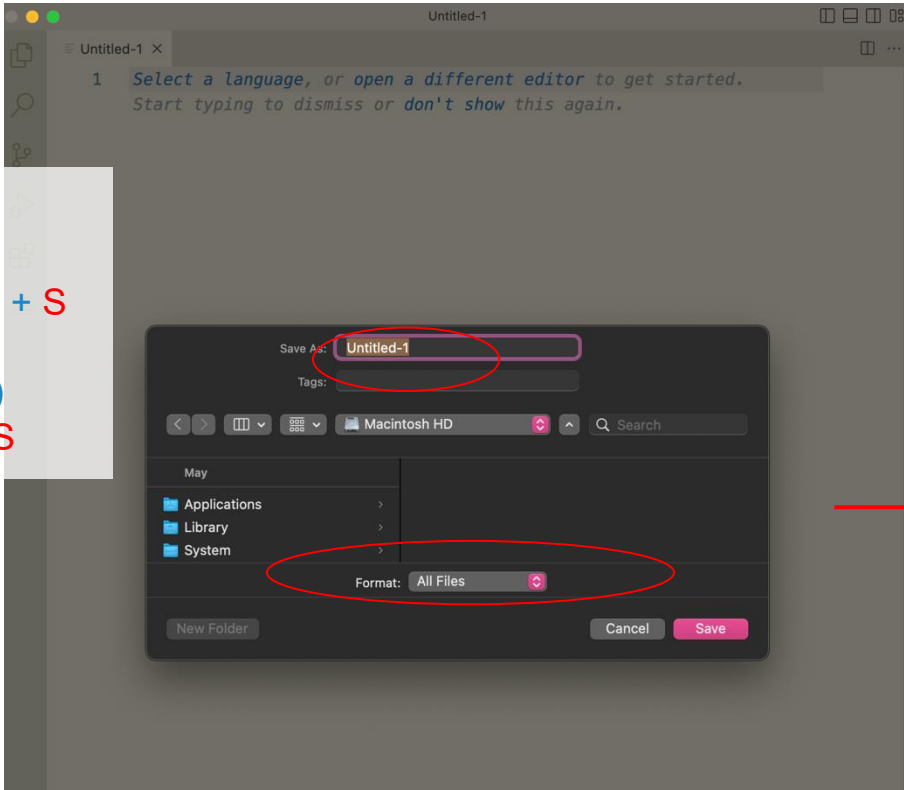
Method 2: File → New Text File



Saving XML files with VSCode

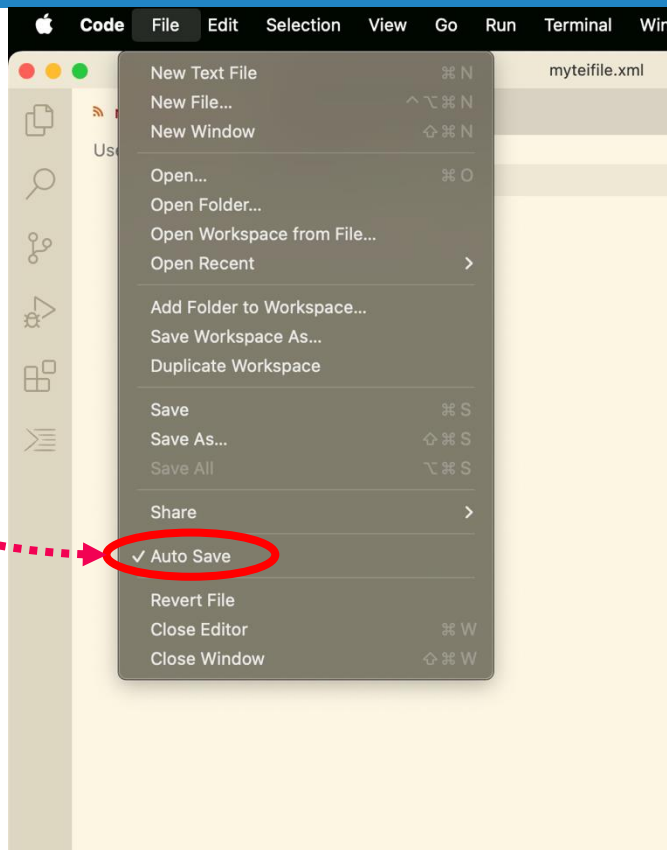
Shortcut
(Mac)
Command + S

(Windows)
Control + S



Auto-save

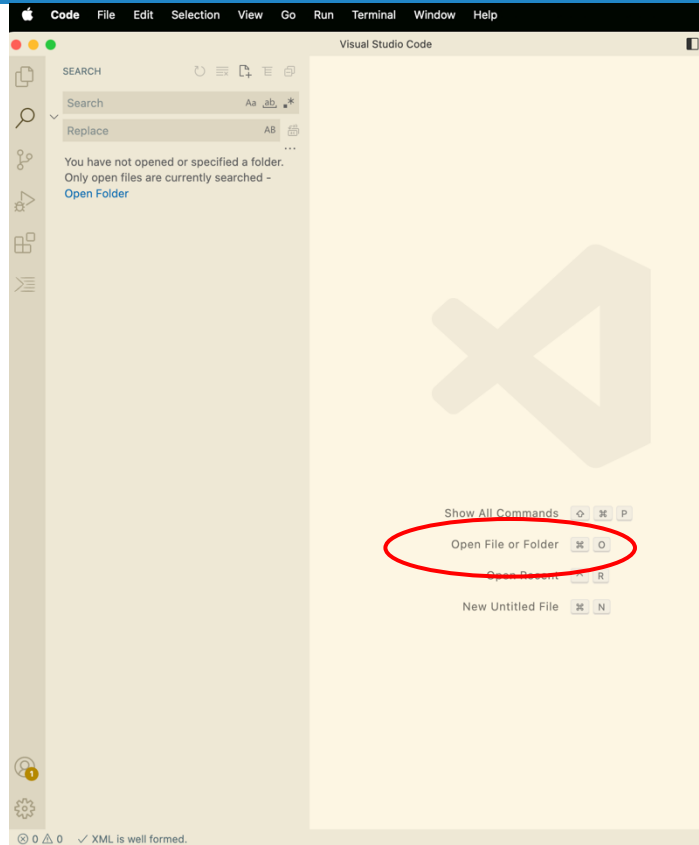
You can have the file be saved automatically



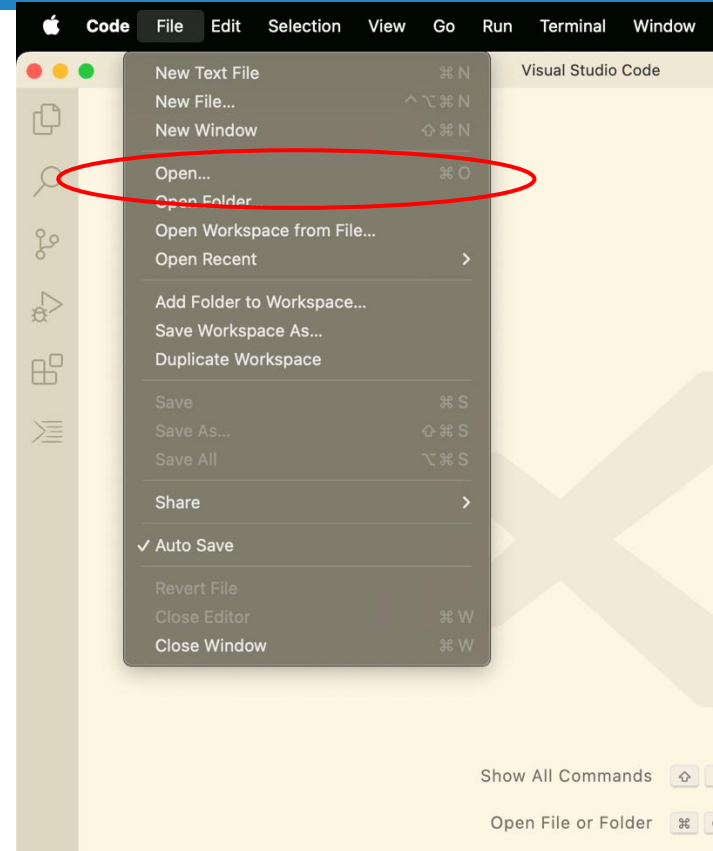
Opening Files with VS Code

Method 1:
Shortcut
(Mac):
Cmd + O

(Windows):
Control + O



Method 2:
(File → Open)

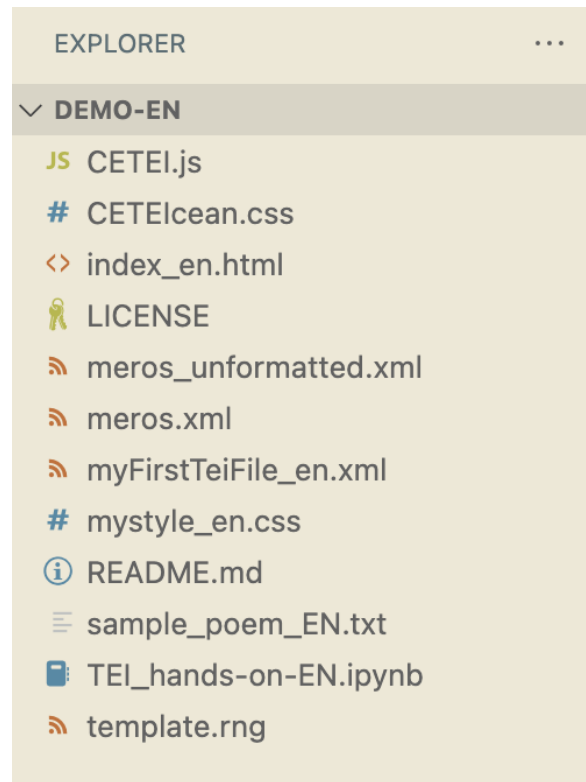


Setting up a Demo Folder

Please create a demo folder in a location on your computer where you can work with files.

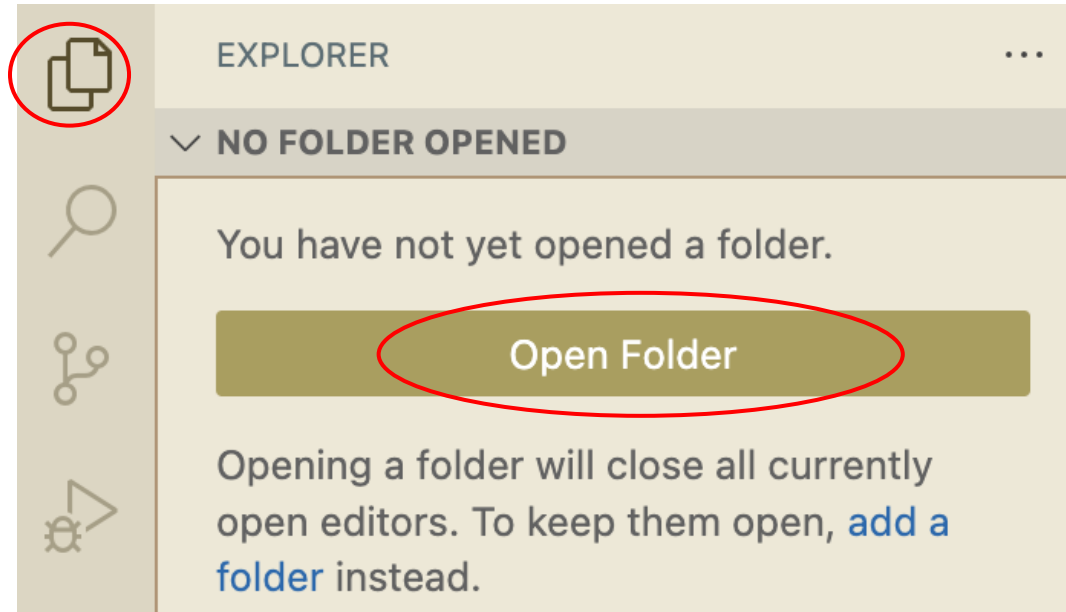
The files inside the demo folder can also be downloaded from GitHub:

<https://github.com/nikolito/TEI-tools-EN/>



Deciding on Project Location

Once you select your working folder, the project window will display the files inside it.





Do you trust the authors of the files in this folder?

Code provides features that may automatically execute files in this folder.

If you don't trust the authors of these files, we recommend to continue in restricted mode as the files may be malicious. See [our docs](#) to learn more.

~/Desktop

(The project folder location will be displayed here.)

☐

Trust the authors of all files in the parent folder

Yes, I trust the authors

Trust folder and enable all features

No, I don't trust the authors

Browse folder in restricted mode