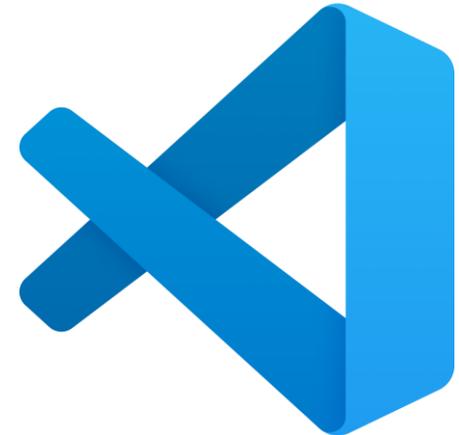VISUAL STUDIO CODE EXTENSION

VISUAL STUDIO CODE EXTENSION
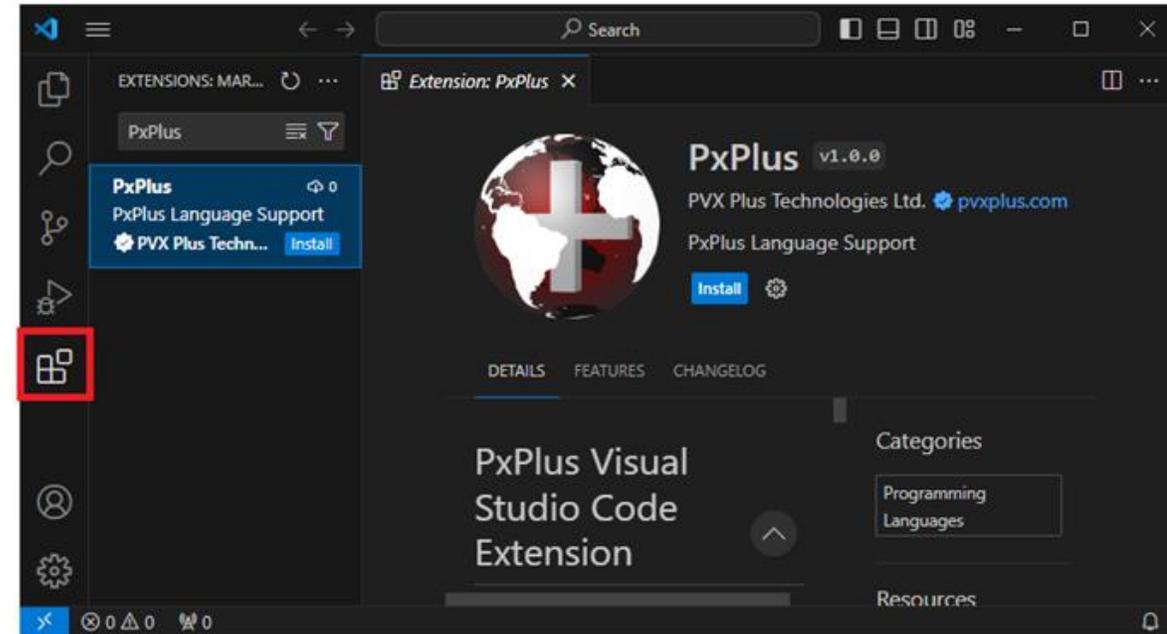
- **PxPlus Visual Studio Code Extension** is an extension for Visual Studio Code to enable working with PxPlus programs

- PxPlus 2024 or newer is required

- It provides the following functionality:

  - Create new PxPlus programs

  - Open and edit existing PxPlus programs

  - Work with binary PxPlus programs

  - Work with text-based PxPlus programs

  - PxPlus syntax highlighting

  - PxPlus program error diagnostics

  - Current document-based Auto Complete

VISUAL STUDIO CODE EXTENSION

How to Install PxPlus Extension in Visual Studio Code

1. Download and install Visual Studio Code from the Visual Studio Code Web site **https://code.visualstudio.com/**

2. On the Activity Bar on the far left side of Visual Studio Code, click the Extension icon
   This displays the **Extensions** view and the **Extensions Marketplace**

3. Find the PxPlus extension by entering **PxPlus** in the **Search Extensions in Marketplace** input box

4. In the list that displays, click on **PxPlus** and then click the **Install** button to install the PxPlus extension
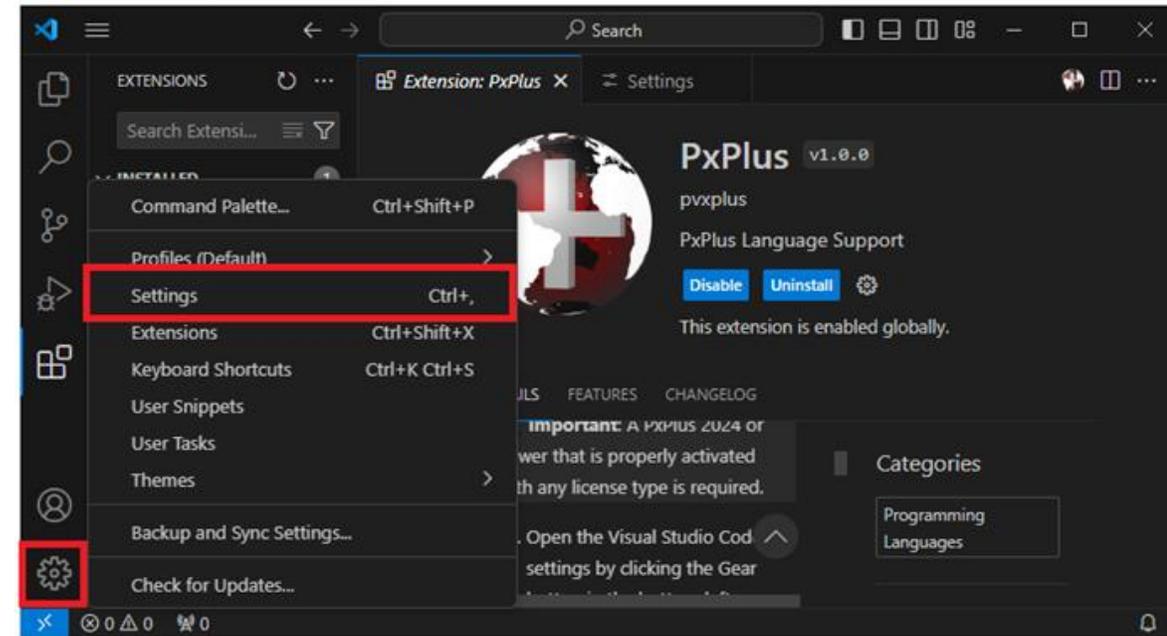
How to Set Up PxPlus Extension in Visual Studio Code

Before you can use the PxPlus Visual Studio Code extension, you must tell the extension where PxPlus is installed:

- Open the Visual Studio Code settings by clicking the Gear icon in the bottom left corner and then select **Settings** from the menu that displays

- Expand the **Extensions** node and then select the **PxPlus** node

- Under **PxPlus Path,** enter the path to the directory where the PxPlus executable is located (i.e. C:\PVX Plus Technologies\PxPlus 2024)
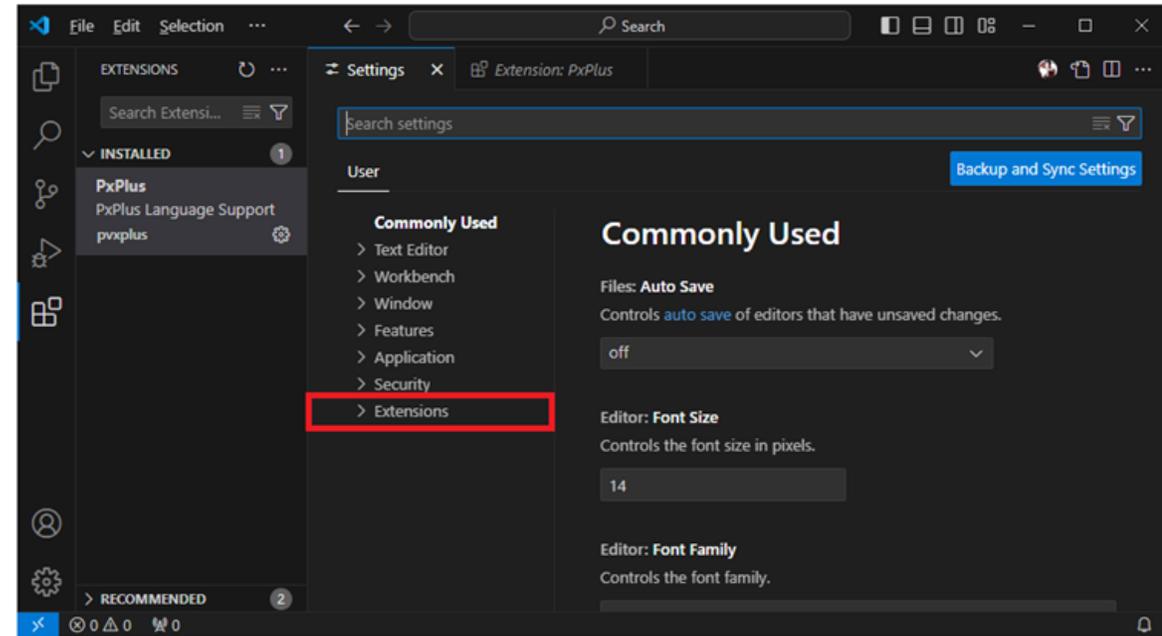
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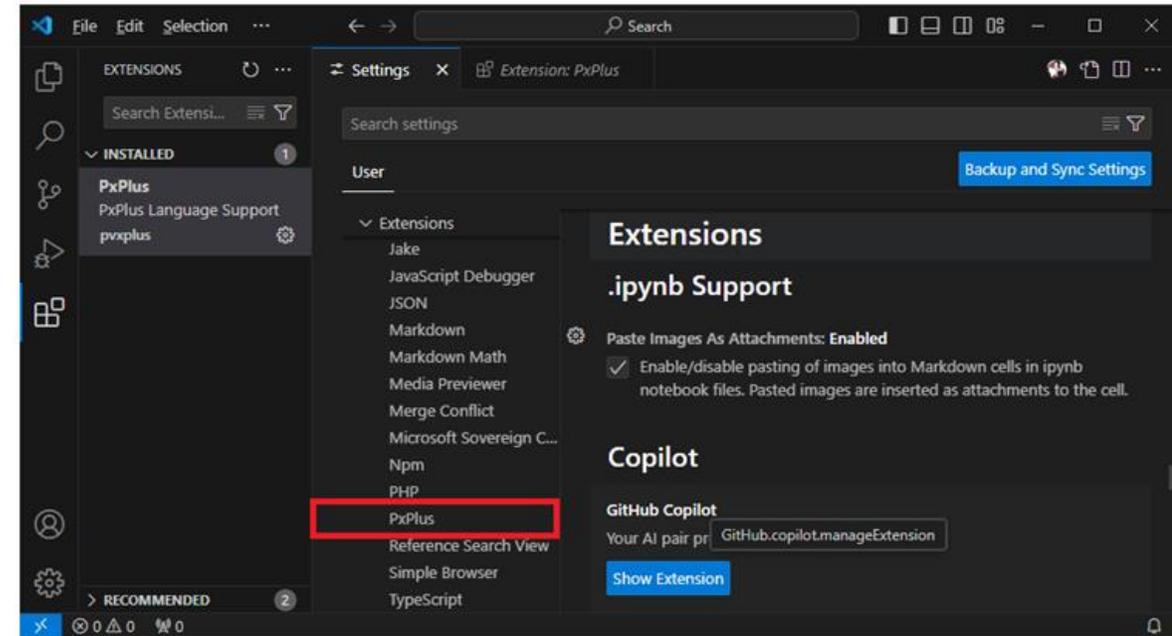
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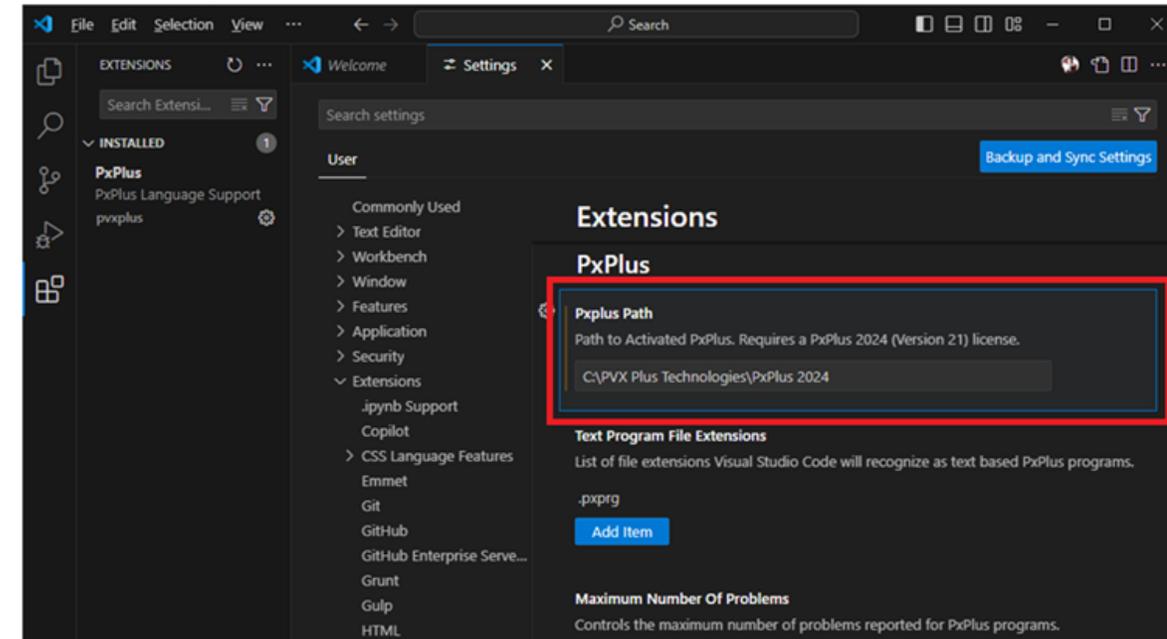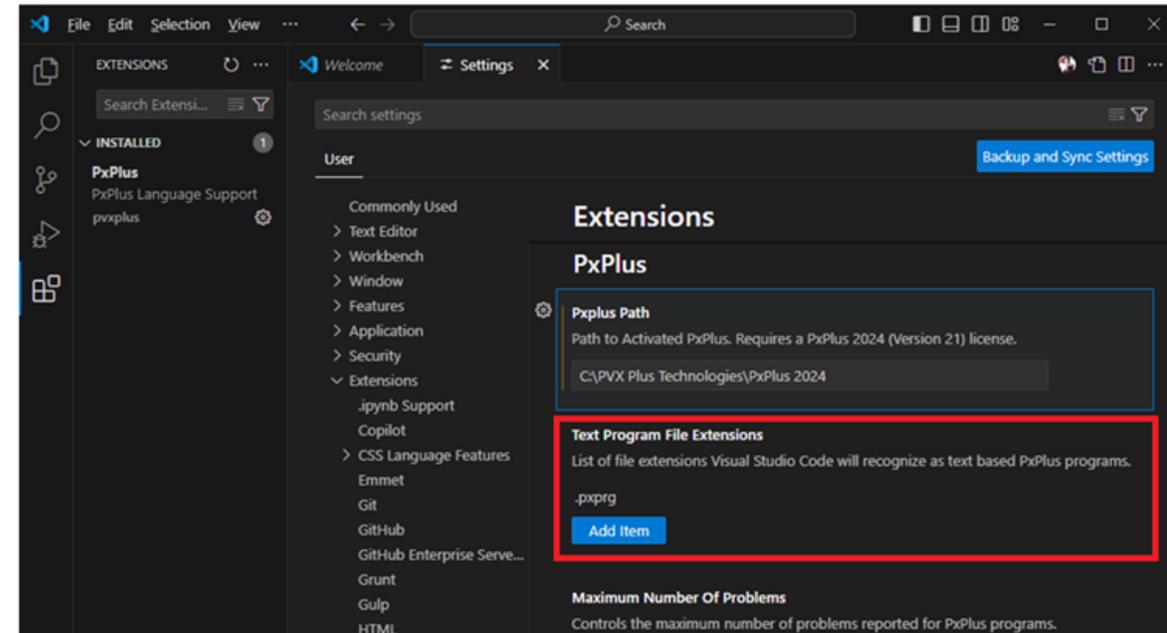
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- Expand the **Extensions** node and then select the **PxPlus** node

- Under **PxPlus Path,** enter the path to the directory where the PxPlus executable is located (i.e. C:\PVX Plus Technologies\PxPlus 2024)

VISUAL STUDIO CODE EXTENSION

How to Set Up PxPlus Extension in Visual Studio Code

If you plan to work with text-based PxPlus programs, then you must also specify which file extensions Visual Studio Code should consider a text-based PxPlus program:

- Under **Text Program File Extensions**, add a file extension to the list by clicking the **Add Item** button, then enter a *.xxx* file extension and then click OK

- To add more than one file extension, repeat this step as many times as needed

- By default, the only extension on the list is *.pxprg*

VISUAL STUDIO CODE EXTENSION

- **The remaining settings are optional and**

  - Control the number of errors reported before it stops reporting new errors

  - Control how the program is displayed/saved
    - These settings are the same for all PxPlus program editors

Settings

Setting	Description	Default
Pxplus Path	Specify the path to the directory where the PxPlus executable is located (i.e. C:\PVX Plus Technologies\PxPlus 2024).	

Text Program File Extensions	Specify which file extensions Visual Studio Code should consider a text-based PxPlus program.
	   - You can add new extensions via the *Add Item* button
	   - Edit existing extensions via the pencil icon beside the item.
	   - Delete extensions via the X icon besdie the item.
		.pxprg

Max Number Of Problems	Controls the maximum number of problems reported for PxPlus programs.	100
Lowercase Directives	Displays the code with lowercase directives.	off
Lowercase Variables	Displays the code with lowercase variables.	off
Mixed Case Variables	Displays the code with mixed case variables.	on
Suppress LET	Displays the code without LET directives.	off

VISUAL STUDIO CODE EXTENSION
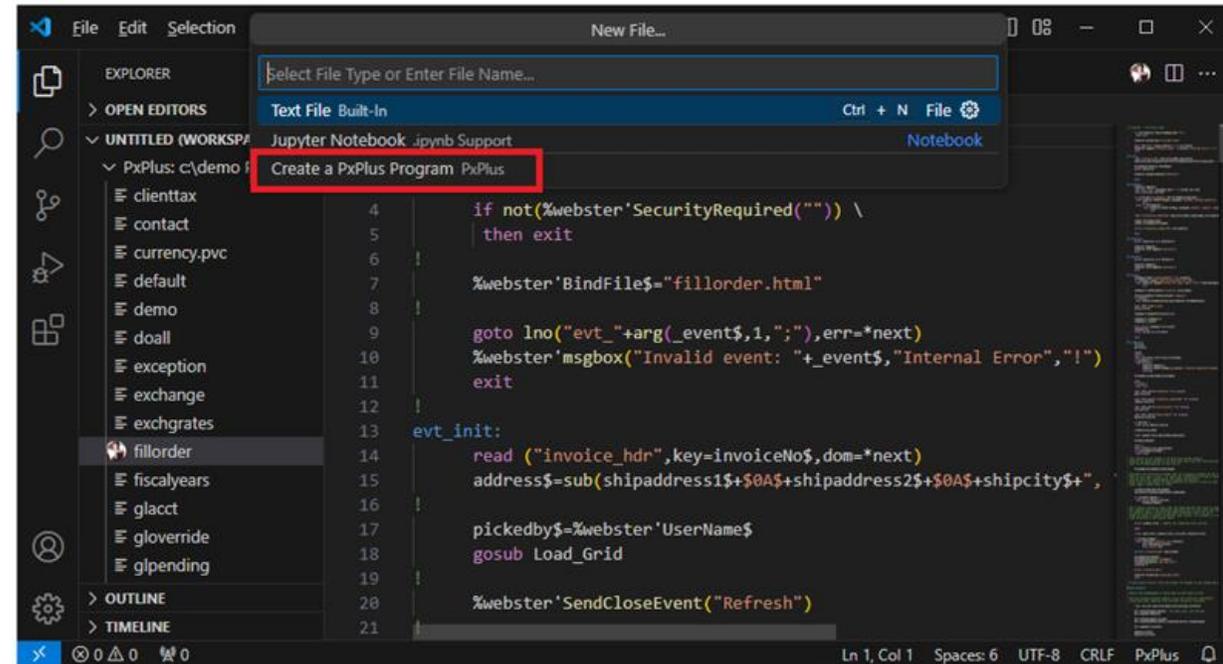
To Create New PxPlus Programs

- From the File menu or from the Welcome screen, select **New File**
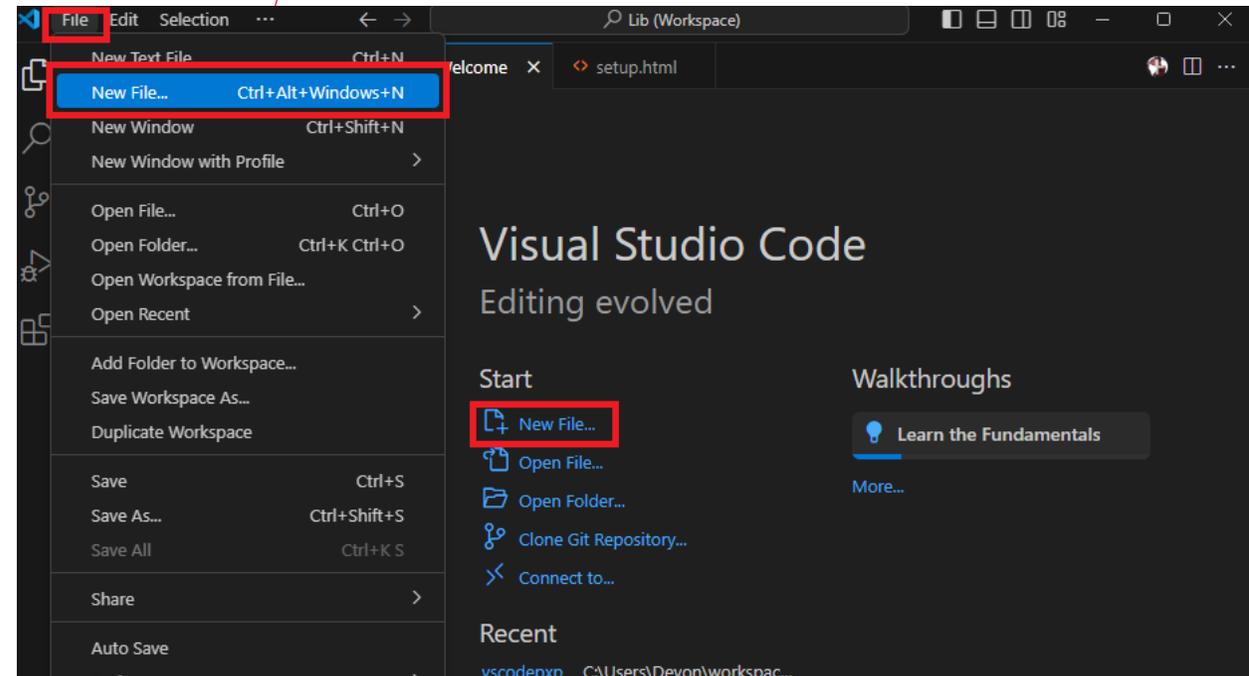
VISUAL STUDIO CODE EXTENSION
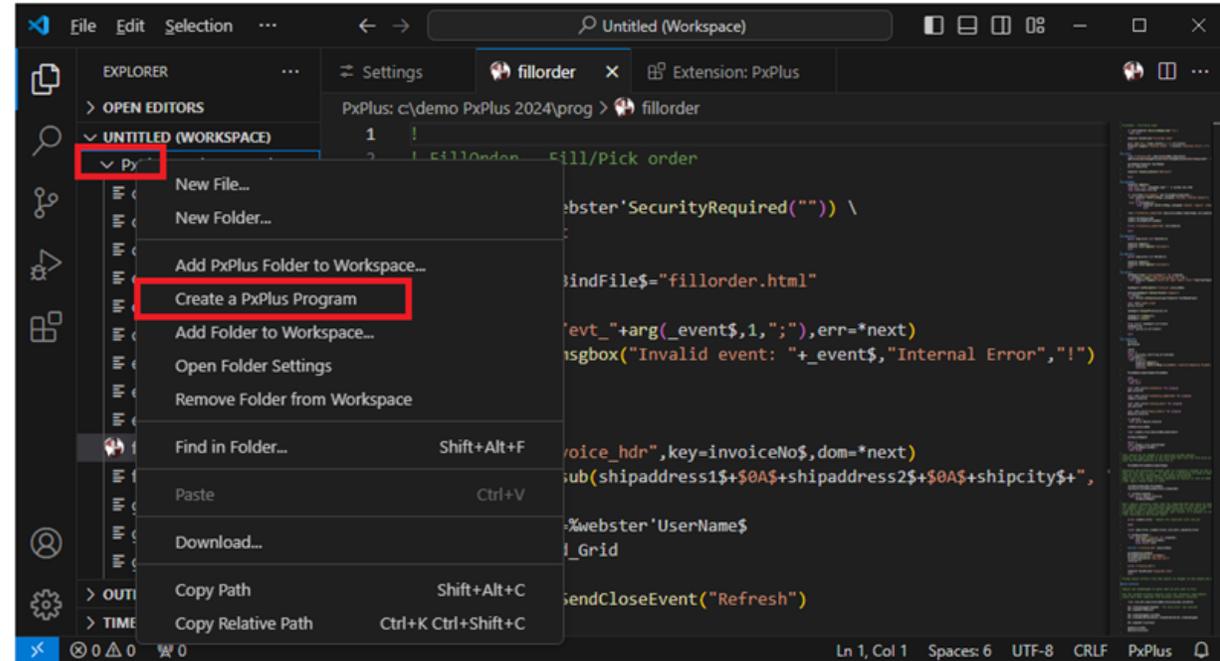
To Create New PxPlus Programs

- A list of possible file types to create will display

- From the list, select **Create a PxPlus Program**

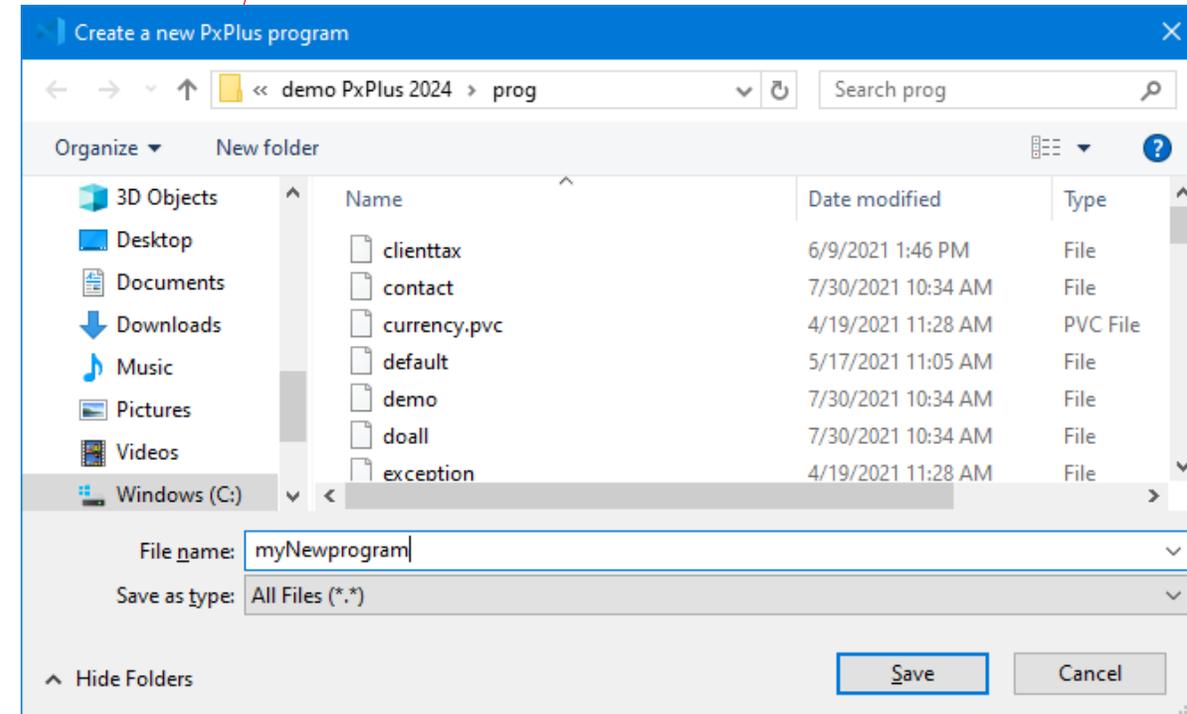# VISUAL STUDIO CODE EXTENSION

To Create New PxPlus Programs

- Alternatively right click in the Explorer and select **Create a PxPlus Program**

VISUAL STUDIO CODE EXTENSION

To Create New PxPlus Programs

- Use the Save dialog to choose a pathname for your new program

VISUAL STUDIO CODE EXTENSION

To Create New PxPlus Programs

- Now that you have a new PxPlus program you can begin coding
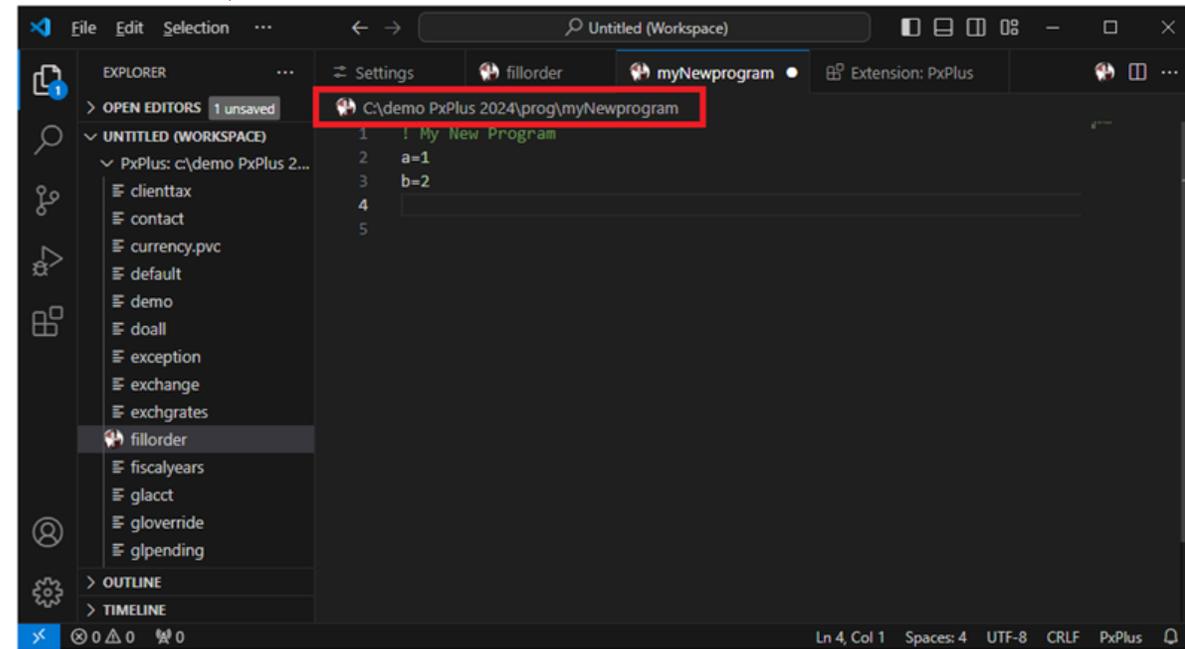
VISUAL STUDIO CODE EXTENSION

To Edit Existing PxPlus Programs

- Add a PxPlus folder to the workspace
  - Click on the PxPlus icon in the top right corner of an Edit window
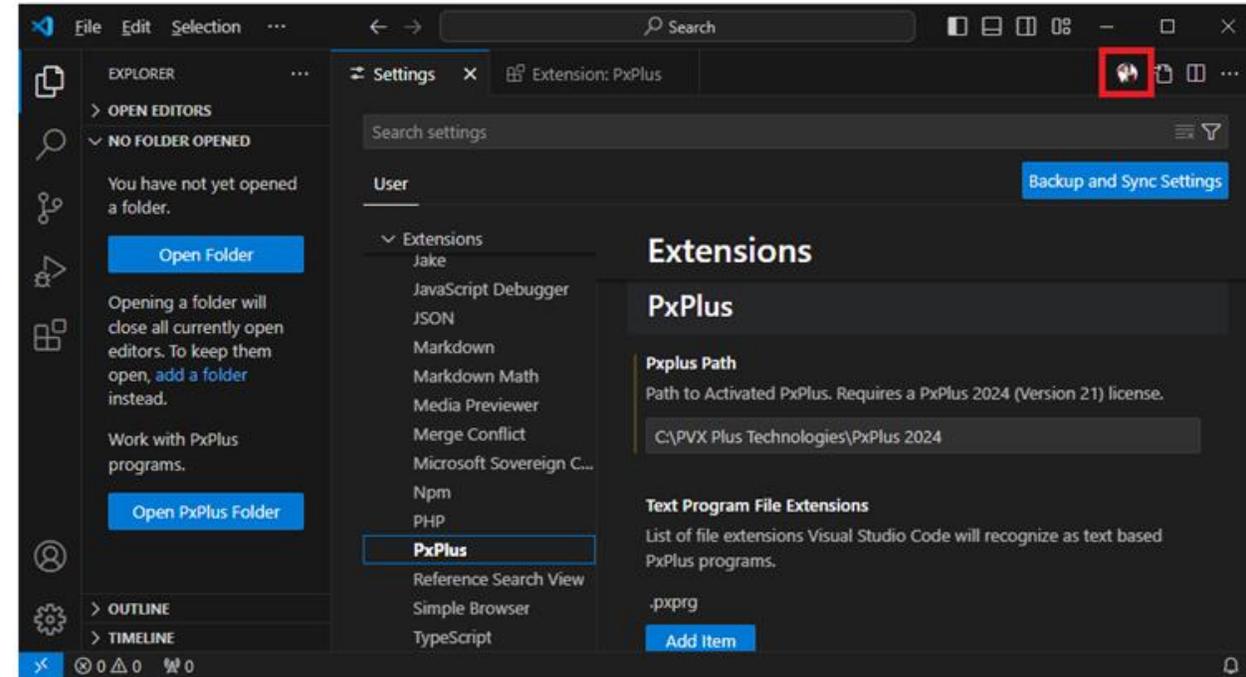
VISUAL STUDIO CODE EXTENSION

To Edit Existing PxPlus Programs

- Add a PxPlus folder to the workspace
  - Alternatively click the **Open PxPlus Folder** button in the Explorer window when no folders are open
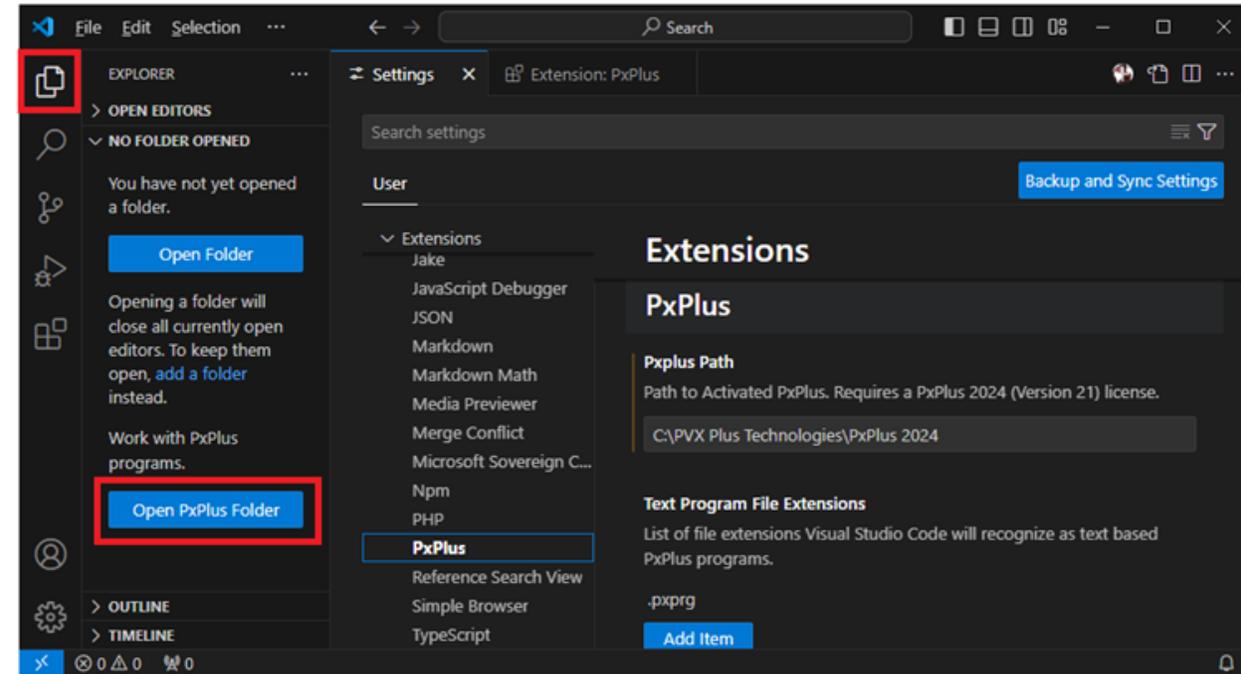
To Edit Existing PxPlus Programs

- Add a PxPlus folder to the workspace
  - Another way is to click the **Add PxPlus Folder to Workspace...** menu item from the Explorer right click menu
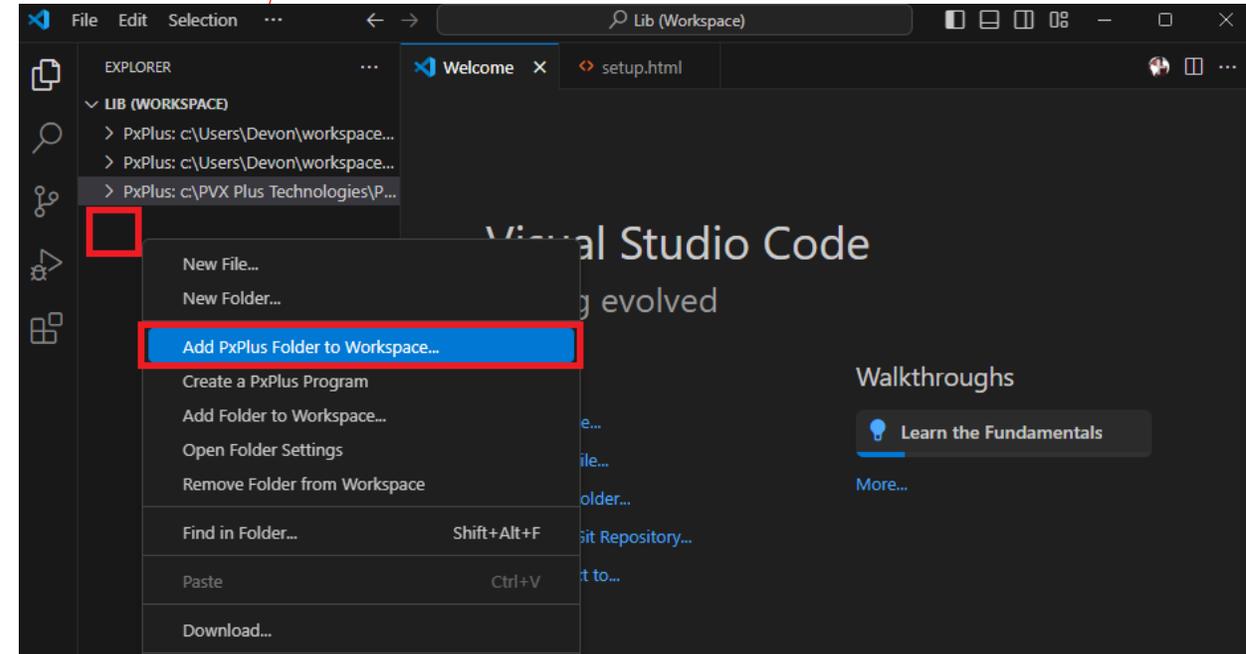
VISUAL STUDIO CODE EXTENSION

To Edit Existing PxPlus Programs

- Select a PxPlus folder to add to the workspace
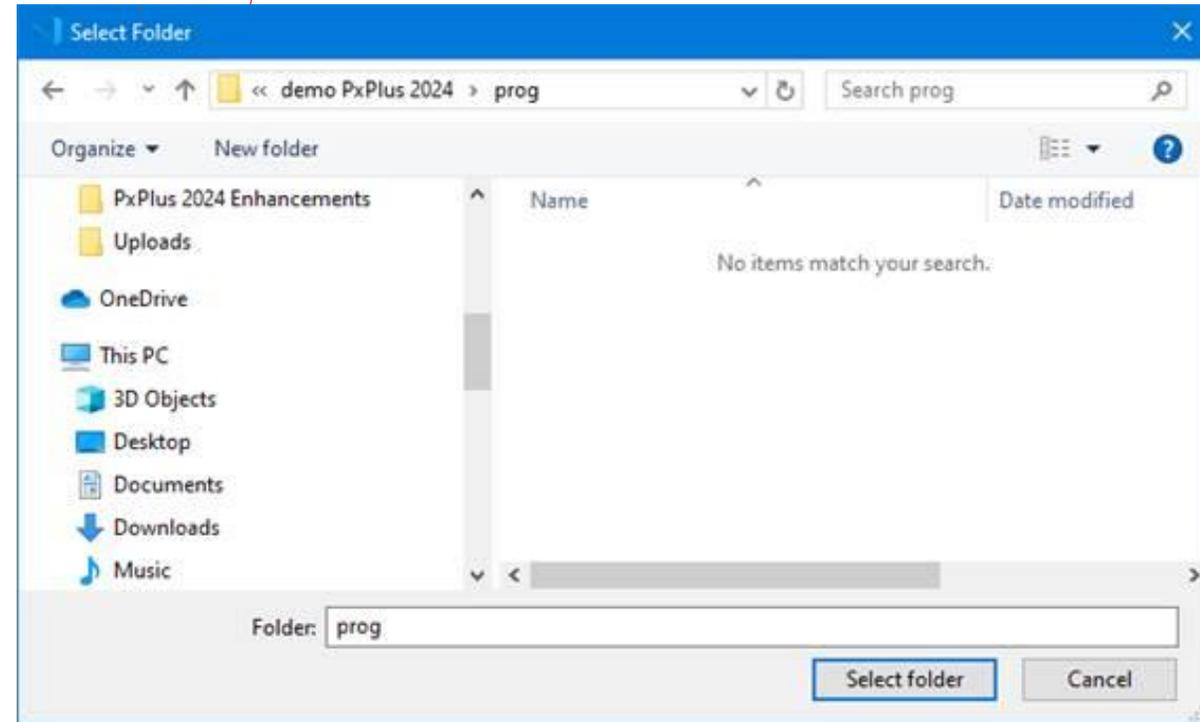
VISUAL STUDIO CODE EXTENSION

To Edit Existing PxPlus Programs

- Any PxPlus programs or text-based PxPlus programs that are opened via this workspace will be recognized as a PxPlus program by Visual Studio Code

- This enables all the features and allows PxPlus programs to be edited

VISUAL STUDIO CODE EXTENSION

To Edit Existing PxPlus Programs

- Syntax errors are identified with a wavy line, and the number or errors are displayed beside the program name

- Hovering over the error displays a dialog that provides additional details about the error