[updated September 29, 2024]

1. Install GoLang:

- Download the appropriate GoLang binary for your operating system from the official website (https://golang.org/dl/).

- Follow the installation instructions provided on the website.

- Once installed, verify the installation by opening a terminal and typing go version. You should see the installed Go version.

2. Install the Go extension for VSCode:

- Open Visual Studio Code.

- Click on the Extensions icon (the square with four dots) in the left sidebar.

- Search for "Go" in the extension marketplace.

- Install the extension by Microsoft.

- Restart Visual Studio Code for the extension to take effect.

3. Configure Go in VSCode:

- Open the settings in VSCode (Ctrl+Shift+P) and search for "go.toolsPath".

- Set the value of go.toolsPath to the path of your Go installation directory (e.g., C:\Go on Windows).

- If you're using a different Go version or have multiple Go installations, you can configure the Go version to use in the settings.

4. Create a new Go project:

- Create a new folder for your Go project.

- Open the folder in Visual Studio Code.

- Create a new Go file (e.g., main.go).

5. Start coding:

- You can now start writing Go code in your new file.
- Visual Studio Code will provide code completion, linting, and other features to help you write Go code efficiently.

Additional tips:

- Consider using a Go module to manage dependencies in your project.
- Explore the various features and extensions available for Go in Visual Studio Code to enhance your development experience.

By following these steps, you should have GoLang successfully installed and configured in Visual Studio Code, ready for your development projects.