

# Help for Visual Studio Code

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CSE686 – Internet Programming

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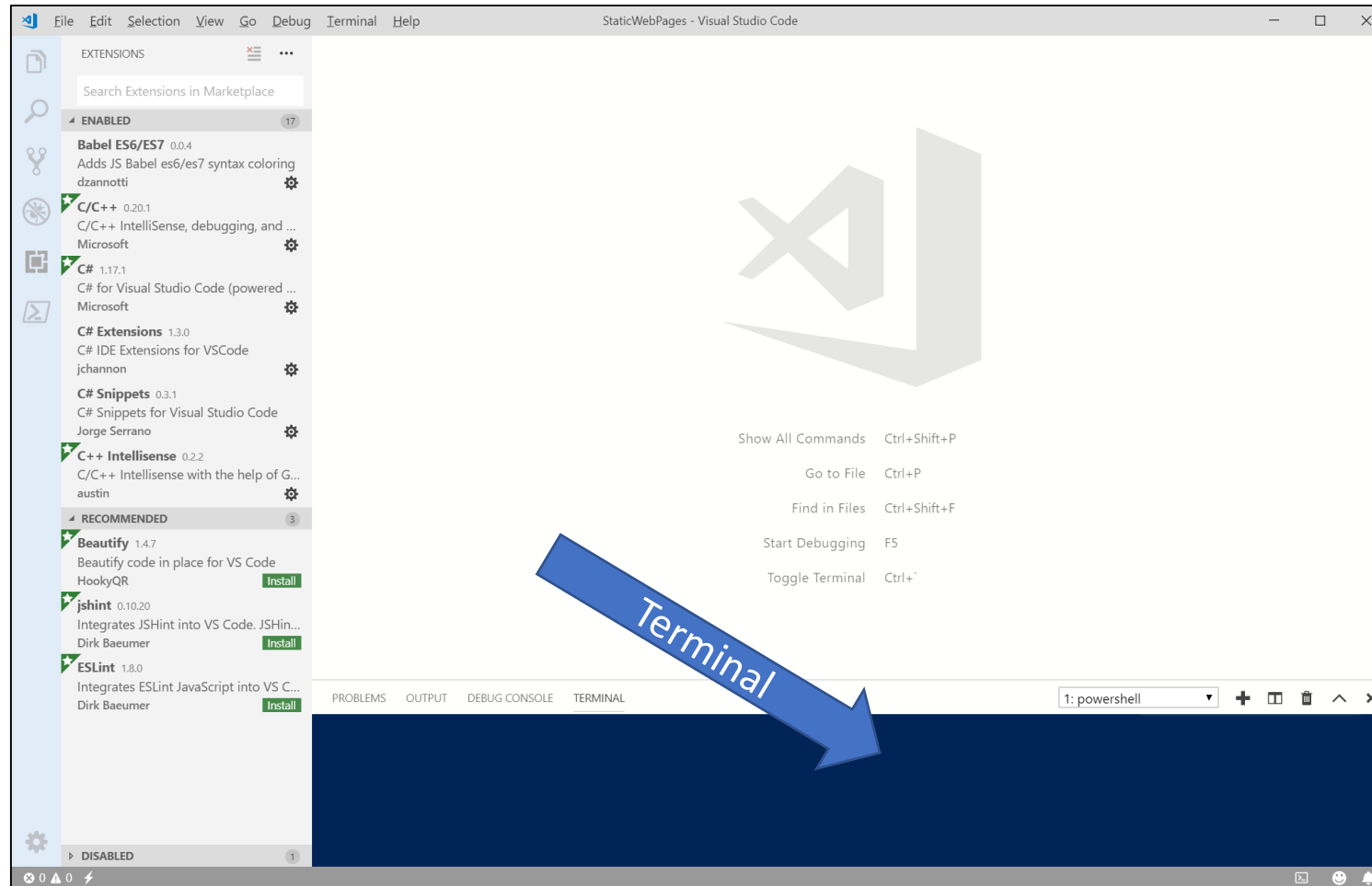
# Visual Studio Code (VS Code)

- **VS Code** is a text editor build with the Electron.js JavaScript framework.
- It is easy to use for building static web pages.
- In conjunction with the **dotnet** command, and a default C# plugin, it is a capable Integrated Development Environment (IDE) for working with Asp.Net Core applications.
  - Visual Studio has more facilities, and, once you learn how it works, it is a very effective tool for building static pages and working with Asp.Net Core projects.
  - VS Code will do everything we need for the first half of the course.

# Using VS Code

- The first thing to do is download the latest version – it's free. Just ask Dr. Google to take you to VS Code download.
- That will download an installer in your Download directory. Run it – that takes just a minute or so - then start up VS Code.

# Visual Studio Code Window

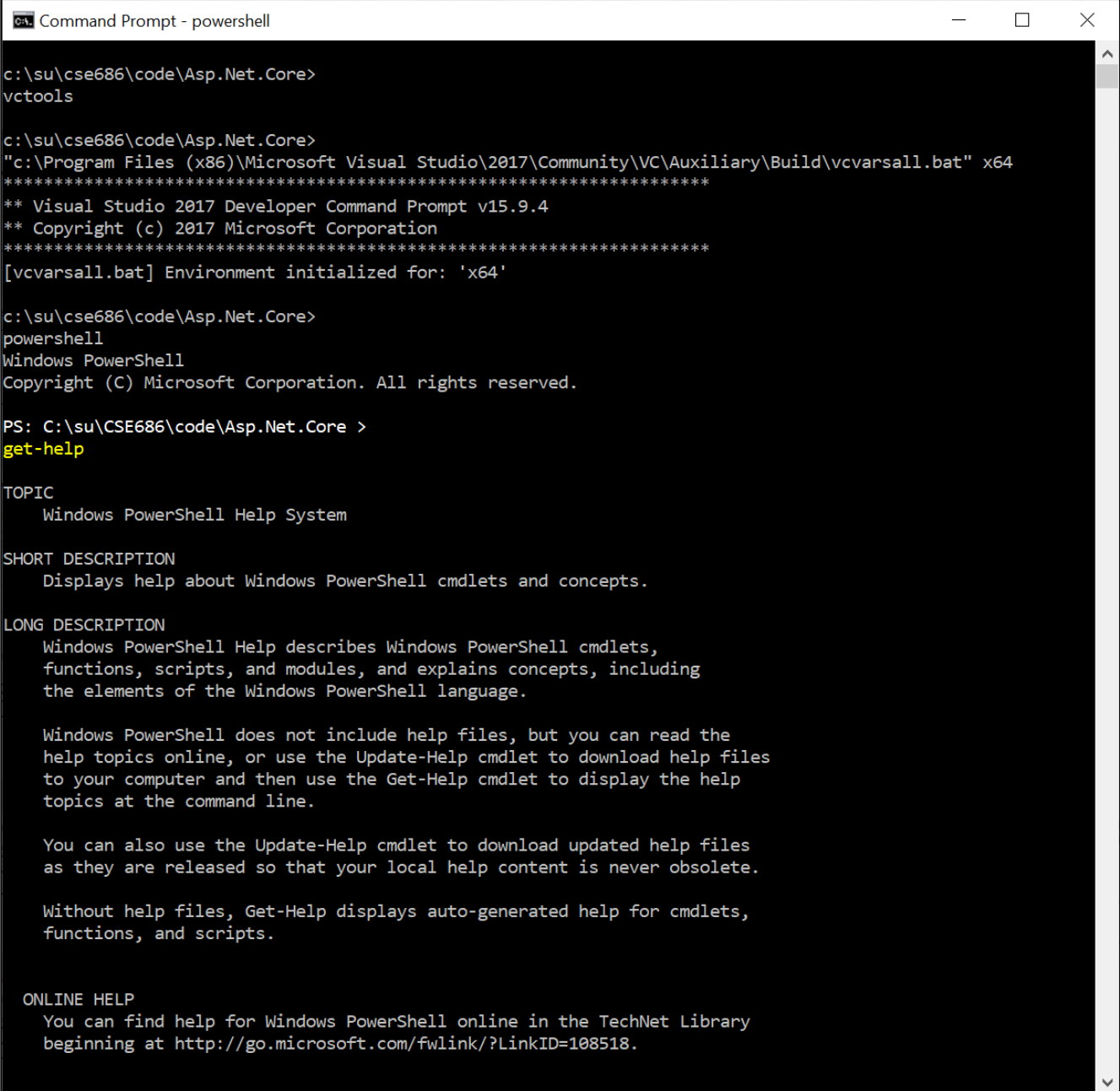


# Building Static Web Pages

- File > Open Folder > select a folder in dialog
- File > New File > Enter opens editor on an un-named text file
- Enter some small amount of text
- File > Save As > Enter File name > Save
- File > Save As > right-click on dialog > new > folder > CSS
- File > Save As > right-click on dialog > new > folder > JS

# Functionality

- PowerShell.exe
  - A superset of the Cmd.exe functionality
  - Has a lot of operations for system administration.
  - Does not have environment variables to access C++ tool chain.
    - We can add those by opening a cmd prompt, executing vcvarsall.bat, and then opening powershell from within the cmd shell.



```
Command Prompt - powershell
C:\su\cse686\code\Asp.Net.Core>
vctools

C:\su\cse686\code\Asp.Net.Core>
"c:\Program Files (x86)\Microsoft Visual Studio\2017\Community\VC\Auxiliary\Build\vcvarsall.bat" x64
*****
** Visual Studio 2017 Developer Command Prompt v15.9.4
** Copyright (c) 2017 Microsoft Corporation
*****
[vcvarsall.bat] Environment initialized for: 'x64'

C:\su\cse686\code\Asp.Net.Core>
powershell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

PS: C:\su\CSE686\code\Asp.Net.Core >
get-help

TOPIC
    Windows PowerShell Help System

SHORT DESCRIPTION
    Displays help about Windows PowerShell cmdlets and concepts.

LONG DESCRIPTION
    Windows PowerShell Help describes Windows PowerShell cmdlets,
    functions, scripts, and modules, and explains concepts, including
    the elements of the Windows PowerShell language.

    Windows PowerShell does not include help files, but you can read the
    help topics online, or use the Update-Help cmdlet to download help files
    to your computer and then use the Get-Help cmdlet to display the help
    topics at the command line.

    You can also use the Update-Help cmdlet to download updated help files
    as they are released so that your local help content is never obsolete.

    Without help files, Get-Help displays auto-generated help for cmdlets,
    functions, and scripts.

ONLINE HELP
    You can find help for Windows PowerShell online in the TechNet Library
    beginning at http://go.microsoft.com/fwlink/?LinkID=108518.
```

# So What?

- If we use Visual Studio Code:
  - VS Code can't create .net core projects
  - So we create a project folder, call dotnet new console (or whatever)
  - Open Visual Studio Code
  - Open the newly created folder
    - When you do this VS Code will ask if you want to create resources to work with that folder.
    - Select yes – that builds a json settings file to manage builds and debugging
  - Start editing files and running

That's all Folks!