

Installing git

This worksheet contains brief instructions on how to install git on various platforms.

Coursera lab

You should be able to fire up the terminal in Visual Studio Code and run the git command straight away.

Ubuntu/ Debian

Type:

```
sudo apt-get install git
```

or: `sudo apt install git`

That's it!

Macos

We recommend that you install git using home brew. Install homebrew following the instructions here:

<https://brew.sh/>

Then install git like like this:

```
brew install git
```

Then you need to open a new Terminal window and git should be ready to go.

Windows

Using Windows Subsystem for Linux

If you are using Windows 10 and you want your Windows git experience to be as close as possible to that in the videos, you should use the Windows subsystem for Linux. It can be installed from the Microsoft Store or with some commands, as documented here:

<https://docs.microsoft.com/en-us/windows/wsl/install-win10>

I would go for the Ubuntu 20.04 LTS install.

Once you are in your WSL terminal, type:

```
apt install git
```

That will install git in your WSL area.

This will allow you to do all the regular git operations seen in the videos, from the Linux terminal running under Windows.

The problem is that it probably does not interact so well with the native Windows tools such as Visual Studio. Read on for an alternative install method.

‘Native’ Windows git and Visual Studio 2019

If you are using the Visual Studio 2019 IDE (not Visual Studio Code) then it comes with git. So you should be able to use it right in your IDE. Microsoft provide some excellent instructions here:

<https://docs.microsoft.com/en-us/visualstudio/ide/git-with-visual-studio?view=vs-2019>

Once you have installed Visual Studio 2019, you can run the git command from your shell. I was able to run git init from the Windows Power Shell, for example.

Native Windows git using Github Desktop

Alternatively, you can install a graphical git client such as Github Desktop, available here:

<https://desktop.github.com/>

Once you have installed Github Desktop, you should be able to run git from inside your Windows command shell or power shell.