

Name _____ Period _____

GitHub Workshop Lab Guide - Windows

Your Tasks (Mark these off as you go)

- ☐ Define key vocabulary
- ☐ Create a GitHub account
- ☐ Install Git on your computer
- ☐ Configure your username and email
- ☐ Install Visual Studio code
- ☐ Clone a repository
- ☐ Complete your assignment with Visual Studio Code
- ☐ Push changes to a repository
- ☐ Receive credit for this lab guide

☐ Define key vocabulary

- Open up your browser and search for definitions to the following terms as they relate to “Git”. For example you could type “Git vocabulary”.
- Work with your partner to write definitions for the following terms.

Git	
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GitHub	
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repository	
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local	
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remote	
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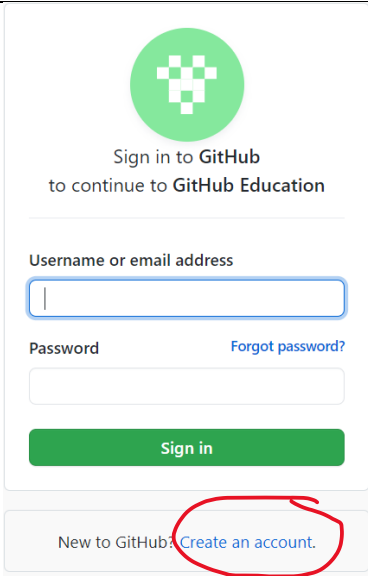
stage	
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commit	
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push	
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clone	
fork	
pull	
origin/master	

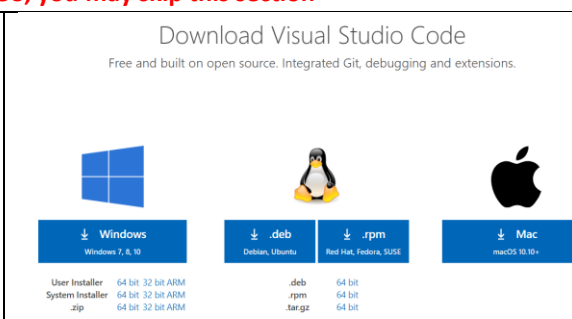
□ Create a GitHub account

<p>Navigate to the following address,</p> <p>https://education.github.com/students</p> <p>Locate the <i>Get Benefits for Students</i> button and click on it.</p>	<p>Home / Students</p> <h2>With GitHub Education, your work will speak for itself.</h2> <p>Build your portfolio, grow your network, and level up your skills.</p> <p>Get benefits for students</p>
<p>Locate the <i>Create an account</i> link and click on it.</p> <p>Create your account when prompted</p>	 <p>Sign in to GitHub to continue to GitHub Education</p> <p>Username or email address</p> <p>Password Forgot password?</p> <p>Sign in</p> <p>New to GitHub? Create an account.</p>

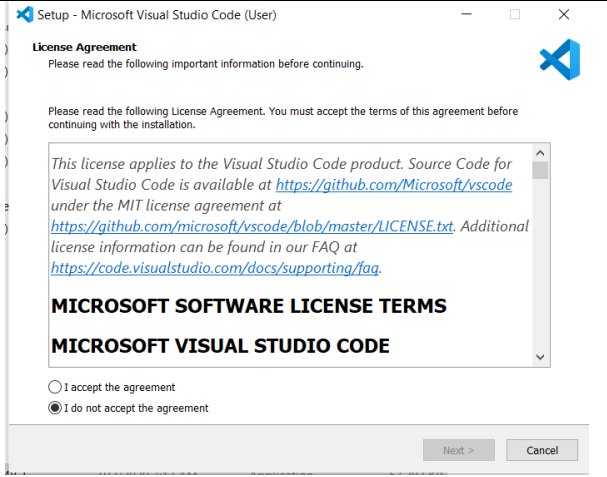
□ Install Git on your computer

If you are using a Pluska issued computer with a Linux OS, you may skip this section	
Navigate to https://git-scm.com/downloads and download Git	 The image shows the 'Downloads' page of the Git website. It features logos for Mac OS X, Windows, and Linux/Unix. Below the logos, it states: 'Older releases are available and the Git source repository is on GitHub.'
Locate the file and install per your operation system	 The image shows the 'Git 2.28.0 Setup' window. It displays the 'GNU General Public License' text, including the preamble. At the bottom, there is a 'Next >' button and a checkbox labeled 'Only show new options'.

□ Install Visual Studio Code

If you are using a Pluska issued computer with a Linux OS, you may skip this section	
Navigate to https://code.visualstudio.com/download and download Visual Studio Code	 The image shows the 'Download Visual Studio Code' page. It features icons for Windows, Linux (Debian, Ubuntu, Red Hat, Fedora, SUSE), and Mac. Below the icons, there are download links for various operating systems and architectures. The Linux section lists download links for .deb, .rpm, and .tar.gz formats, along with a 'Snap Store' link.

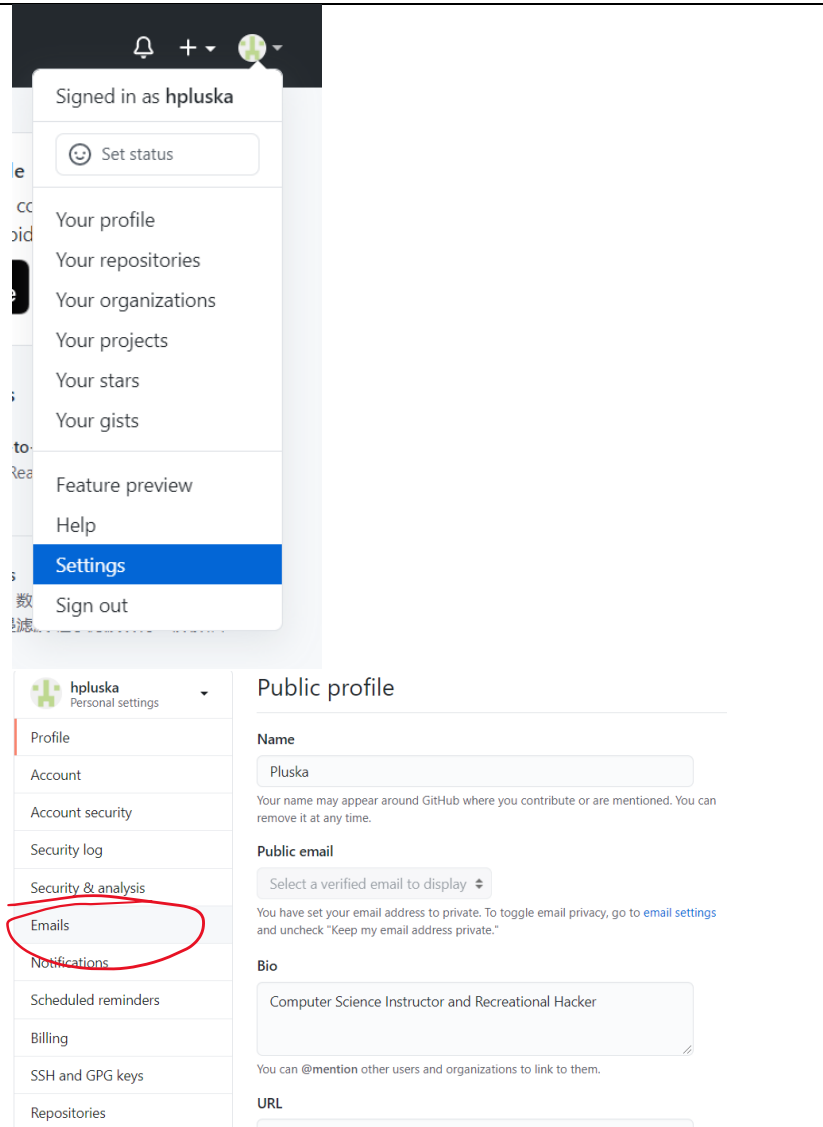
Locate the file and install per your operation system

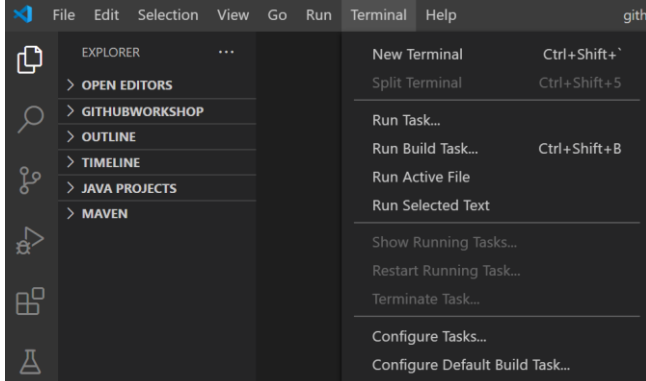
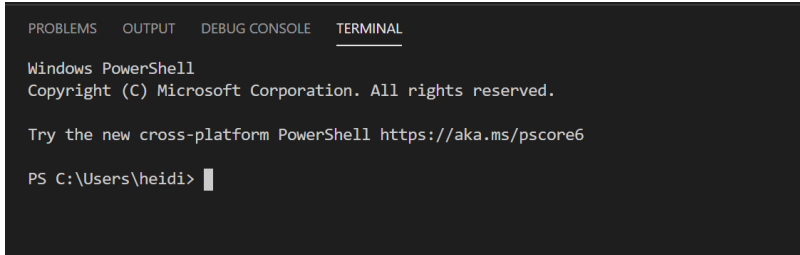


□ Configure your username and email

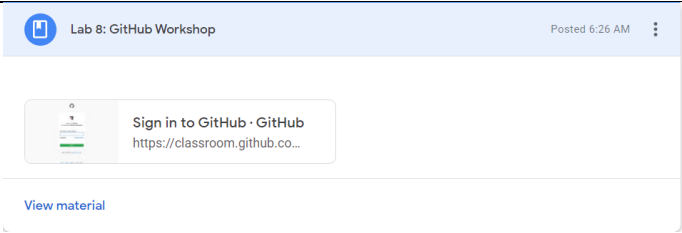
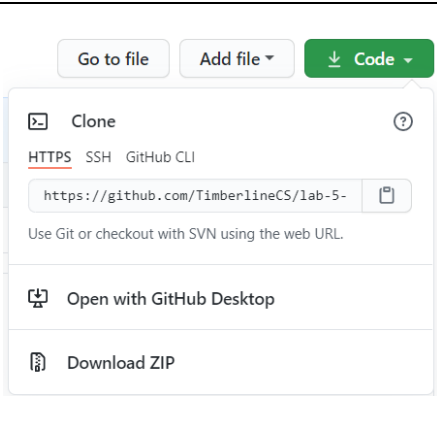
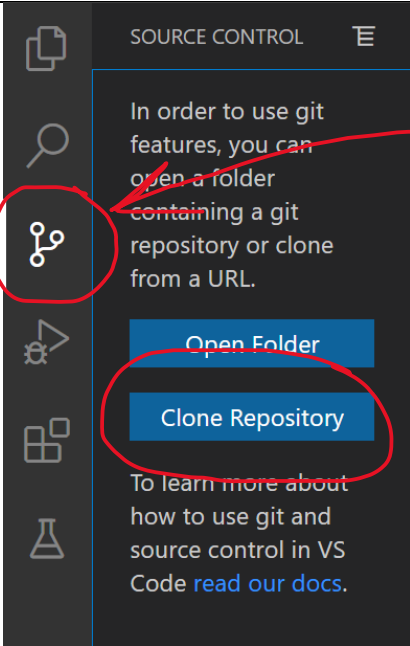
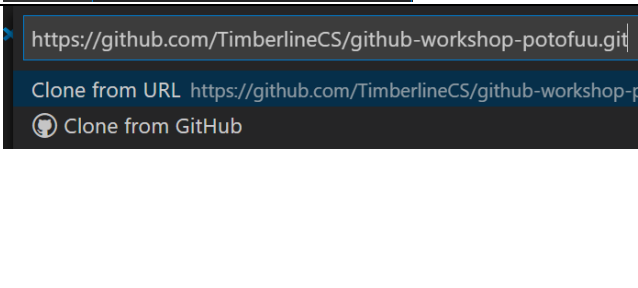
Log in to GitHub and locate your no-reply email

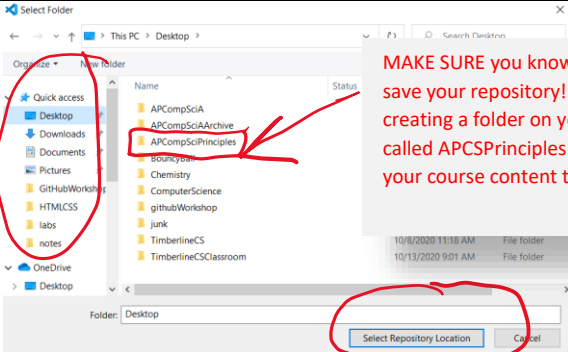
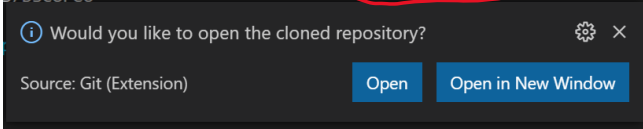
- Click on *Settings* from your start menu
- In the left menu, click on *Emails*
- In the Primary Email Address section copy the no-reply email provided in the text



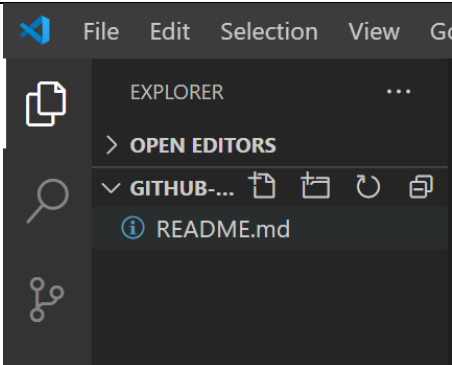
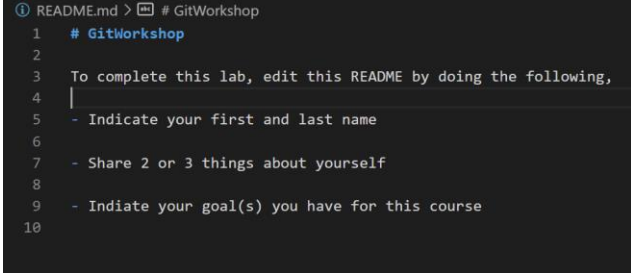
	<p>Primary email address</p> <p>Because you have email privacy enabled, heidi.pluska@gmail.com will be used for account-related notifications as well as password resets. 17304761+hppluska@users.noreply.github.com will be used for web-based Git operations, e.g., edits and merges.</p> <p>heidi.pluska@gmail.com Save</p>
<p>Open a Terminal</p> <ul style="list-style-type: none"> - Open Visual Studio Code - From the menu at the top, select <i>Terminal, New Terminal</i> 	 <p>The screenshot shows the Visual Studio Code interface with the 'Terminal' menu open. The 'New Terminal' option is highlighted, and its keyboard shortcut 'Ctrl+Shift+`' is displayed. Other options in the menu include 'Split Terminal', 'Run Task...', 'Run Build Task...', 'Run Active File', 'Run Selected Text', 'Show Running Tasks...', 'Restart Running Task...', 'Terminate Task...', 'Configure Tasks...', and 'Configure Default Build Task...'.</p>
<p>Set the Git commit username and email on your local computer to the ones you used on your GitHub account.</p> <ul style="list-style-type: none"> - Locate the terminal window at the bottom of the screen. - At the terminal prompt, type the following command, paste the email you just copied in between the quotes, then hit <i>Enter</i>. <pre>git config --global user.email "paste the email you just copied here"</pre> <ul style="list-style-type: none"> - To set your username, copy the following command, type your GitHub username in the quotes, then hit <i>Enter</i>. <pre>git config --global user.name "paste your username here"</pre>	 <p>The screenshot shows a Windows PowerShell terminal window. The title bar indicates it's a 'Windows PowerShell' window. The text inside shows the copyright notice for Microsoft Corporation and a link to the cross-platform PowerShell. The prompt 'PS C:\Users\heidi>' is visible at the bottom, ready for input.</p>

□ Clone a repository

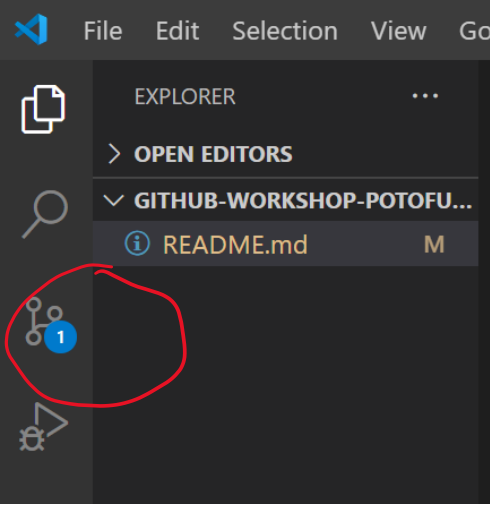
<p>Navigate the classroom and locate the assignment. Accept the assignment you have been assigned using the link provided by Pluska.</p>	
<p>In the GitHub assignment repository you just accepted, locate the Code button and copy the https link</p>	
<p>Return to Visual Studio Code</p> <ul style="list-style-type: none">- Click on the <i>Control Source</i> icon in the left menu- Click on the <i>Clone Repository</i> button	 <p>Control Source</p>
<p>Locate the text box at the top of the window and paste the URL to the repository you just copied, then click <i>Enter</i></p>	

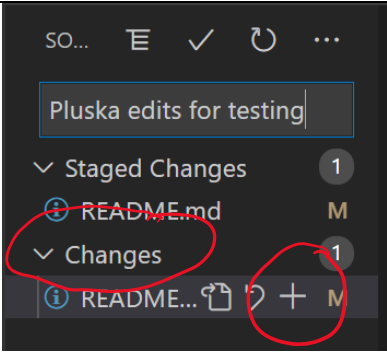
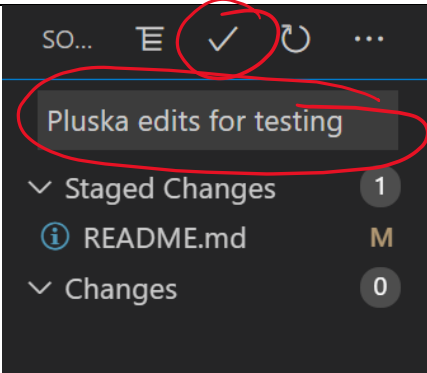
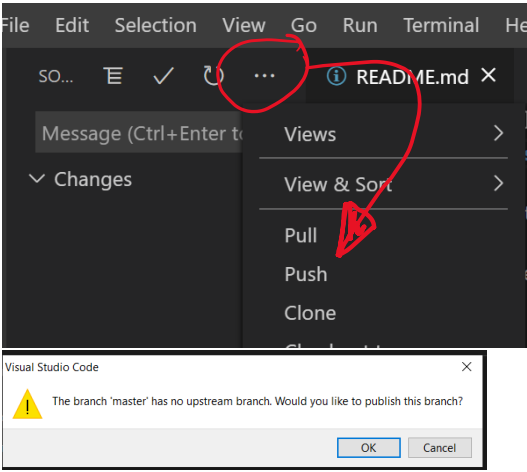
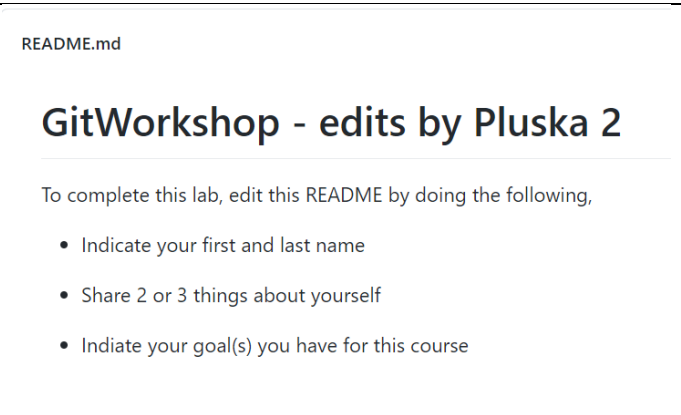
<p>Navigate to where you would like to store the repository.</p> <p>The click <i>Select Repository Location</i></p>	
<p>In the bottom right corner of the screen locate the <i>Would you like to open the cloned repository?</i> Window. Click the <i>Open</i> button</p>	

□ Complete your assignment with Visual Studio Code

<p>- Locate the <i>README.md</i> file in the left menu and click on it.</p>	
<p>The file you clicked on is now open in the editor window. Answer the prompts. When you are done, type <i>ctrl-s</i> to save your file. You can also save your file by selecting <i>Save</i> from the <i>File</i> menu.</p>	

□ Push changes to a repository

<p>After you save the file you have changed, a blue circle with a number will appear on the Source Control icon. This means you have 1 pending change to push to GitHub. Click on the source control icon to open the Git menu.</p>	
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<p>Pushing your work back to GitHub is a three part process – Stage, Commit, Push.</p> <p>You will notice Visual Studio Code tracks the changes you have made to files. Locate the file you just changed under the <i>Changes</i> tab. Then click the plus sign next to it to stage your changes.</p>	
<p>To commit your changes you must first type a message in the dialogue box. This message should be descriptive and brief. Click the check mark when done.</p>	
<p>To push your changes back to GitHub, select Push from the Source Control menu. Access this by clicking on the 3 dots.</p> <p>If you see the warning message, just click <i>OK</i>. You should only see this the first time you push.</p>	
<p>Now return to your GitHub assignment repository and refresh the page. Check out your edited file!</p> <p>BAM!</p>	

□ **Receive Credit for this lab guide**

Submit this portion of the lab to Pluska to receive credit for the lab guide. Once received, your completed README will also be graded and will count towards your final lab grade.

