Name _____

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	

GitHub	

repository	
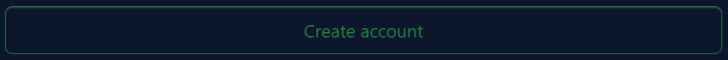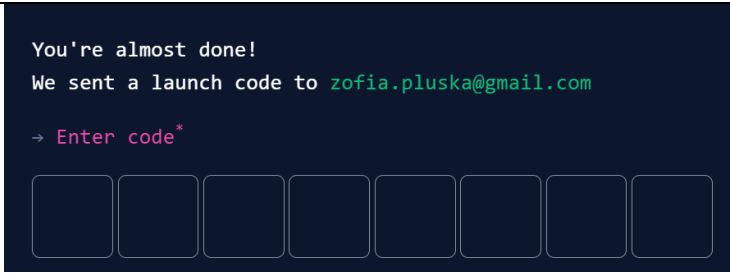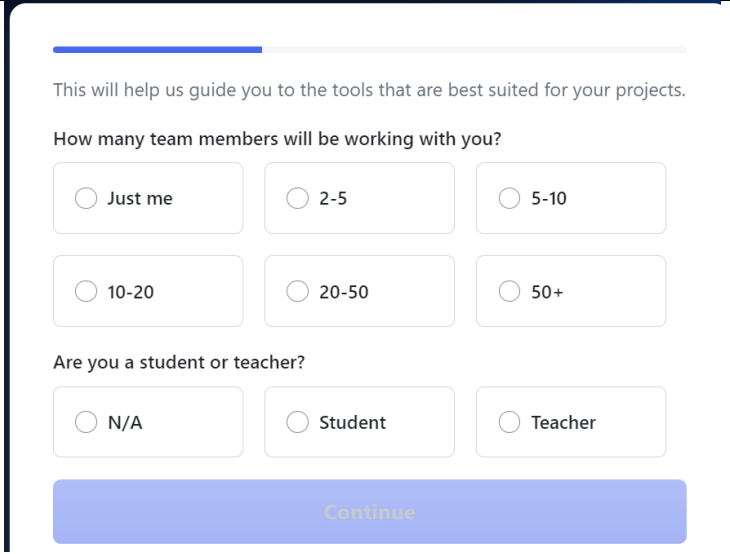
local	

remote	

stage	

commit	

push	

clone	

fork	

pull	

origin/master	

☐ Create a GitHub account

Following the tutorial below to get started with GitHub	
Navigate to the following address, http://github.com then, click *Sign up*	
Enter your email, then click *Continue*	Welcome to GitHub! Let's begin the adventure **Enter your email** → heidi.pluska2@gmail.com Continue
Create a password and click *Continue*	**Create a password** → ●●●●●●●●●●●●● Continue
Create username (This username will be public and viewable by everyone) and click *Continue*	**Enter a username** → Continue
Indicate whether or not you want to receive product updates and click *Continue*.	**Would you like to receive product updates and announcements via email?** **Type "y" for yes or "n" for no** → Continue
Solve the puzzle to verify your account	Use the arrows to rotate the animal to face in the direction of the hand. (1 of 1) Match this angle ← → ●●●●●● Submit

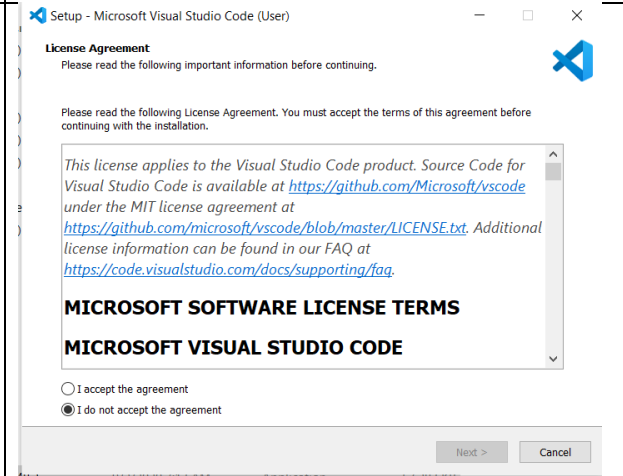|	
Click *Create Account* when done	Create account
Check your email and Enter code.	You're almost done! We sent a launch code to zofia.pluska@gmail.com → Enter code*
Select *Just me* and *Student*	This will help us guide you to the tools that are best suited for your projects. How many team members will be working with you? ○ Just me ○ 2-5 ○ 5-10 ○ 10-20 ○ 20-50 ○ 50+ Are you a student or teacher? ○ N/A ○ Student ○ Teacher Continue
Scroll to the bottom and click *Skip personalization*	Skip personalization

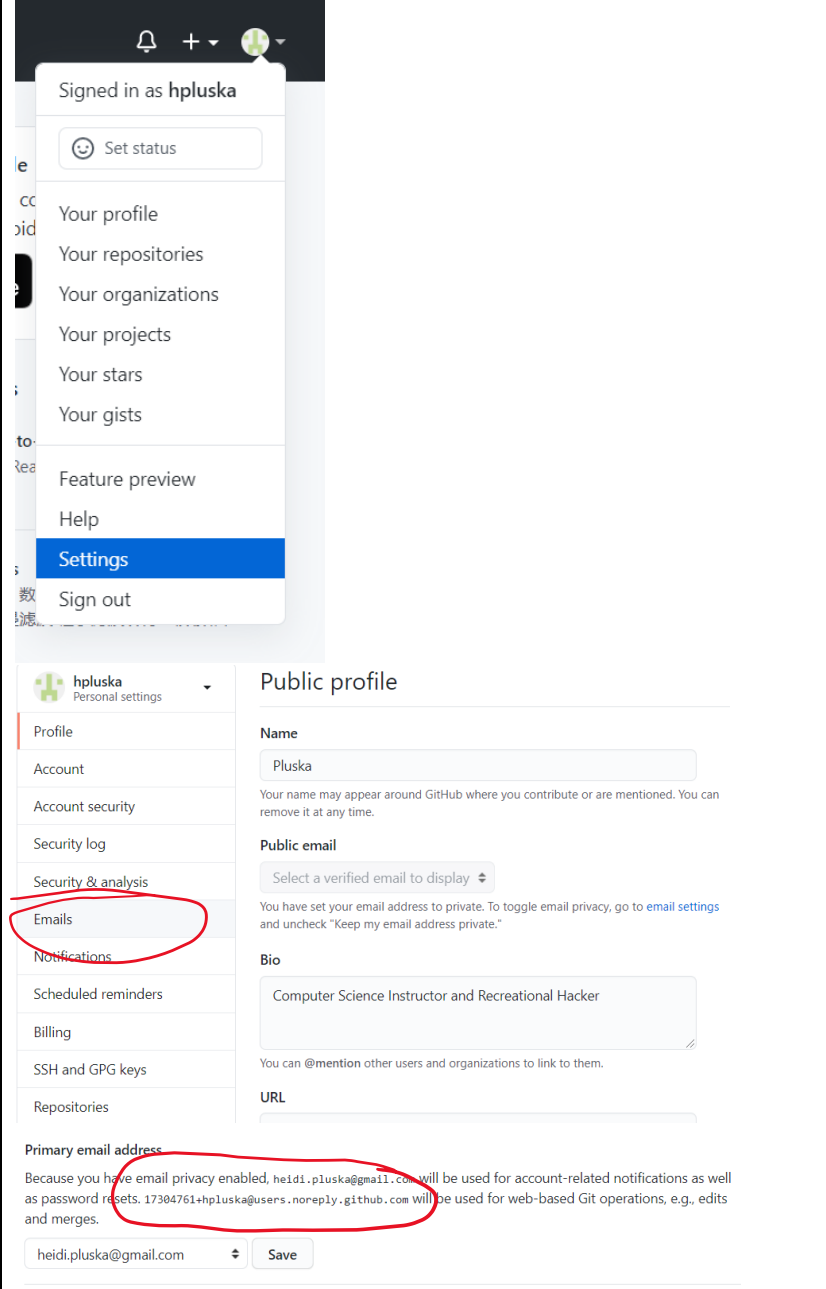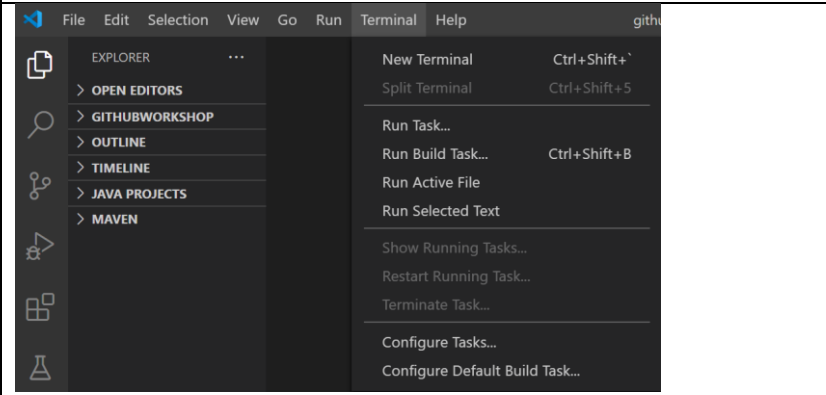## ☐ Install Git on your computer
☐

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	**Downloads** Mac OS X Windows Linux/Unix Older releases are available and the Git source repository is on GitHub.

Locate the file and install per your operation system	Git 2.28.0 Setup — □ ✕ **Information** Please read the following important information before continuing. When you are ready to continue with Setup, click Next. **GNU General Public License** Version 2, June 1991 Copyright (C) 1989, 1991 Free Software Foundation, Inc. 59 Temple Place - Suite 330, Boston, MA 02111-1307, USA Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed. **Preamble** The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change https://gitforwindows.org/ ☐ Only show new options [Next >] [Cancel]

☐ 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	Download Visual Studio Code Free and built on open source. Integrated Git, debugging and extensions. Windows .deb / .rpm Mac Windows 7, 8, 10 Debian, Ubuntu / Red Hat, Fedora, SUSE macOS 10.10+ User Installer 64 bit 32 bit ARM .deb 64 bit System Installer 64 bit 32 bit ARM .rpm 64 bit .zip 64 bit 32 bit ARM .tar.gz 64 bit Snap Store
Locate the file and install per your operation system	Setup - Microsoft Visual Studio Code (User) — □ ✕ **License Agreement** Please read the following important information before continuing. Please read the following License Agreement. You must accept the terms of this agreement before continuing with the installation. *This license applies to the Visual Studio Code product. Source Code for Visual Studio Code is available at https://github.com/Microsoft/vscode under the MIT license agreement at https://github.com/microsoft/vscode/blob/master/LICENSE.txt. Additional license information can be found in our FAQ at https://code.visualstudio.com/docs/supporting/faq.* **MICROSOFT SOFTWARE LICENSE TERMS** **MICROSOFT VISUAL STUDIO CODE** ○ I accept the agreement ◉ I do not accept the agreement [Next >] [Cancel]

☐ **Configure your username and email**

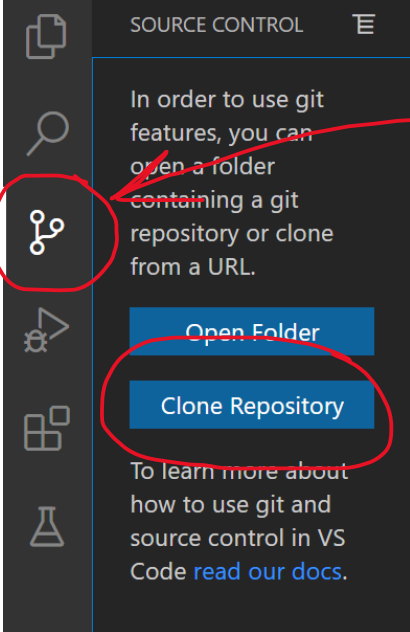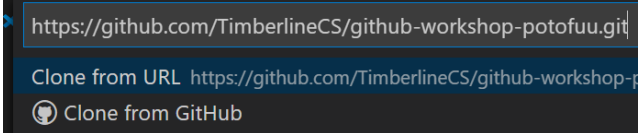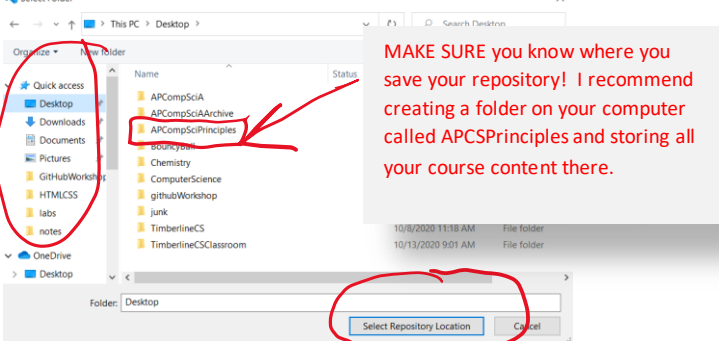|	
Log in to GitHub and locate your no-reply email - Click on *Settings* from your start menu - In the left menu, click on *Emails* - In the Primary Email Address section copy the no-reply email provided in the text	
Open a Terminal - Open Visual Studio Code - From the menu at the top, select *Terminal*, *New Terminal*	
Set the Git commit username and email on your local computer to the ones you used on your GitHub account.	

- 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 *Enter*.
 	
`git config --global user.email "paste the email you just copied here"`
 	
- To set your username, copy the following command, type your GitHub username in the quotes, then hit *Enter*.
 	
`git config --global user.name "paste your username here"`
	PROBLEMS OUTPUT DEBUG CONSOLE **TERMINAL**
	
	Windows PowerShell
	Copyright (C) Microsoft Corporation. All rights reserved.
	
	Try the new cross-platform PowerShell https://aka.ms/pscore6
	
	PS C:\Users\heidi> ▮

☐ Clone a repository

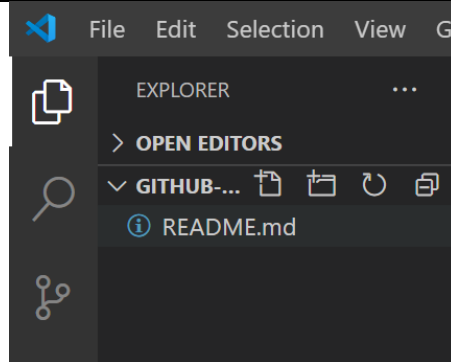|	
Navigate to Google Classroom and locate the *Code Challenges* This is listed after *Complete the Code Challenges* under the current lab	📋 **Lab 1: GitHub Workshop** Posted Aug 16 (Edited Oct 2) - Complete the Lab Guide - Complete the Code Challenges - https://classroom.github.com/a/cfjeJxe- 📄 **GitHubWorkshop.pdf** PDF
Locate your name to join the classroom	Join the classroom: **AP CSA P2 2324** To join the GitHub Classroom for this course, please select yourself from the list below to associate your GitHub account with your school's identifier (i.e., your name, ID, or email).
Click the green button to accept the assignment	Accept the assignment — **GitHub Workshop** Once you accept this assignment, you will be granted access to the `github-workshop-hpluska` repository in the TimberlineCS organization on GitHub. **Accept this assignment**
Refresh this page to see the link to the assignment.	You accepted the assignment, **GitHub Workshop** . We're configuring your repository now. This may take a few minutes to complete. Refresh this page to see updates.

Click on the blue link to go to the assignment repository.	**You're ready to go!** You accepted the assignment, **GitHub Workshop**. Your assignment repository has been created: https://github.com/TimberlineCS/github-workshop-hpluska-4 We've configured the repository associated with this assignment (update).
In the GitHub assignment repository you just accepted, locate the Code button and copy the https link. Make sure HTTPS is selected.	Go to file Add file ▾ ↓ Code ▾ ⌤ Clone ⓘ **HTTPS** SSH GitHub CLI https://github.com/TimberlineCS/lab-5- 📋 Use Git or checkout with SVN using the web URL. ⌸ Open with GitHub Desktop ▤ Download ZIP
Return to Visual Studio Code - Click on the *Control Source* icon in the left menu - Click on the *Clone Repository* button	SOURCE CONTROL ☰ In order to use git features, you can open a folder containing a git repository or clone from a URL. *Control Source* Open Folder Clone Repository To learn more about how to use git and source control in VS Code read our docs.
Locate the text box at the top of the window and paste the URL to the repository you just copied, then click *Enter*	https://github.com/TimberlineCS/github-workshop-potofuu.git Clone from URL https://github.com/TimberlineCS/github-workshop-p ◉ Clone from GitHub
Navigate to where you would like to store the repository. The click *Select Repository Location*	MAKE SURE you know where you save your repository! I recommend creating a folder on your computer called APCSPrinciples and storing all your course content there.

In the bottom right corner of the screen locate the *Would you like to open the cloned repository?* Window. Click the *Open* button	ⓘ Would you like to open the cloned repository? ⚙ ✕ Source: Git (Extension) [Open] [Open in New Window]
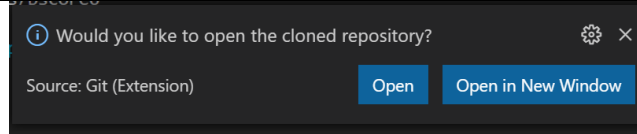
☐ Complete your assignment with Visual Studio Code

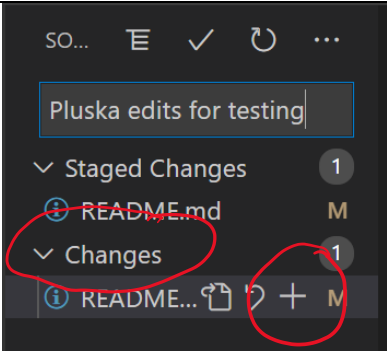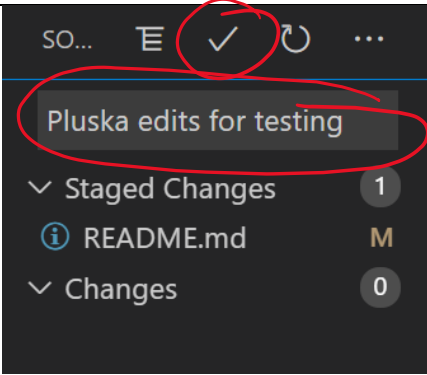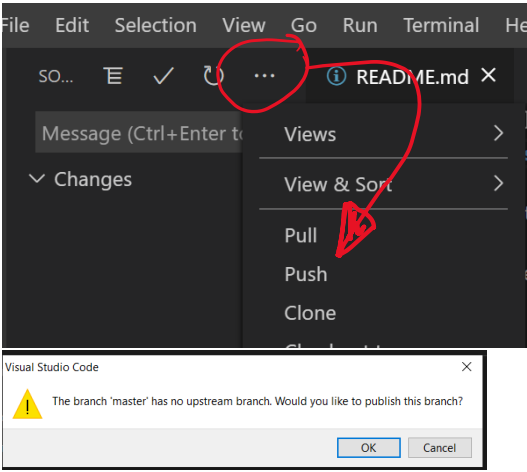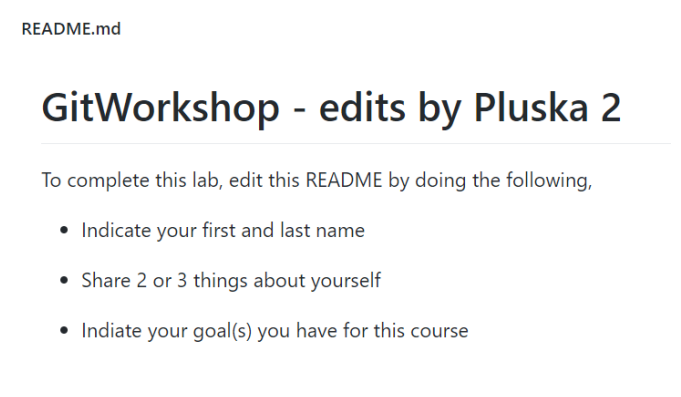|	
- Locate the *README.md* file in the left menu and click on it.	File Edit Selection View Go EXPLORER ⋯ > OPEN EDITORS ∨ GITHUB-... 🗋 📁 ↻ 🗗 ⓘ README.md
The file you clicked on is now open in the editor window. Answer the prompts. When you are done, type *ctrl-s* to save your file. You can also save your file by selecting *Save* from the *File* menu.	ⓘ README.md › 🔤 # GitWorkshop 1 # GitWorkshop 2 3 To complete this lab, edit this README by doing the following, 4 | 5 - Indicate your first and last name 6 7 - Share 2 or 3 things about yourself 8 9 - Indiate your goal(s) you have for this course 10

☐ Push changes to a repository

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.	File Edit Selection View Go EXPLORER ⋯ > OPEN EDITORS ∨ GITHUB-WORKSHOP-POTOFU... ⓘ README.md M ⑧1

Pushing your work back to GitHub is a three part process – Stage, Commit, Push. You will notice Visual Studio Code tracks the changes you have made to files. Locate the file you just changed under the *Changes* tab. Then click the plus sign next to it to stage your changes.	SO... ☰ ✓ ↻ ... Pluska edits for testing ∨ Staged Changes 1 ⓘ README.md M ∨ Changes 1 ⓘ README... 📋 ↺ + M
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.	SO... ☰ ✓ ↻ ... Pluska edits for testing ∨ Staged Changes 1 ⓘ README.md M ∨ Changes 0
To push your changes back to GitHub, select Push from the Source Control menu. Access this by clicking on the 3 dots. If you see the warning message, just click *OK*. You should only see this the first time you push.	File Edit Selection View Go Run Terminal He SO... ☰ ✓ ↻ ... ⓘ README.md ✕ Message (Ctrl+Enter t⎮ Views › ∨ Changes View & Sort › Pull Push Clone Visual Studio Code ✕ ⚠ The branch 'master' has no upstream branch. Would you like to publish this branch? OK Cancel
Now return to your GitHub assignment repository and refresh the page. Check out your edited file! BAM!	README.md ## GitWorkshop - edits by Pluska 2 To complete this lab, edit this README by doing the following, • Indicate your first and last name • Share 2 or 3 things about yourself • Indiate your goal(s) you have for this course

☐ 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.