Name _____

GitHub Workshop Lab Guide - Windows

Your Tasks (Mark these off as you go)

- ☐ Define key vocabulary
- ☐ Create a GitHub account
- ☐ 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	
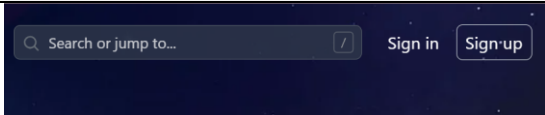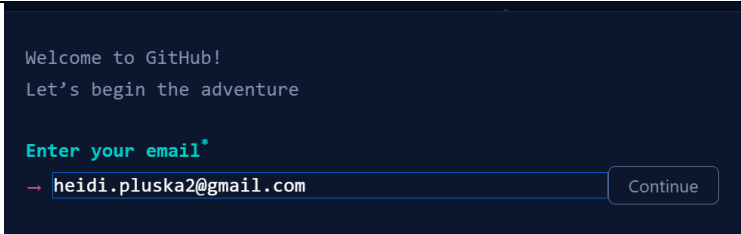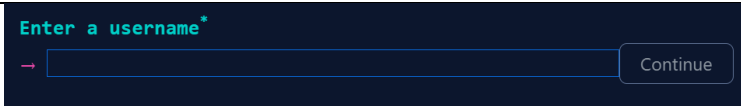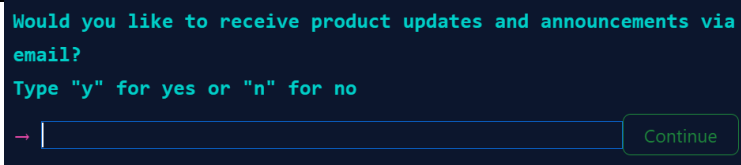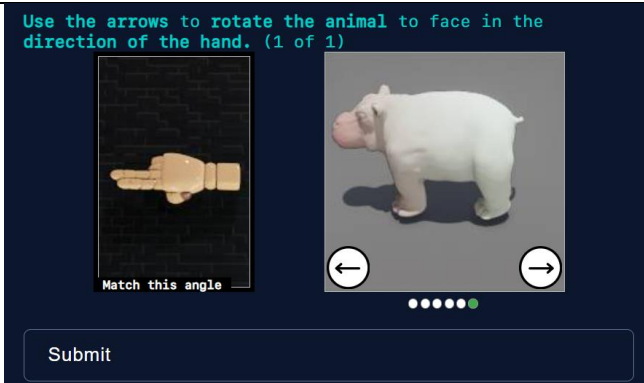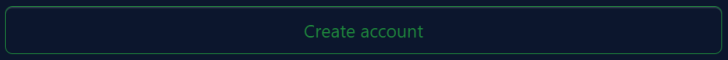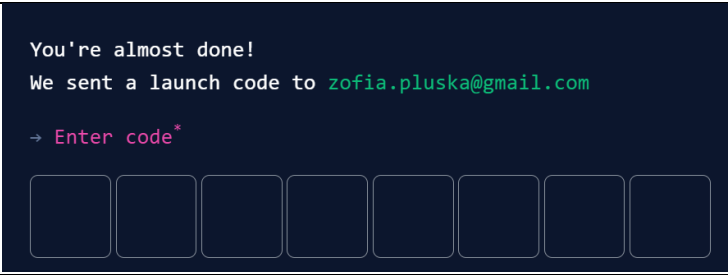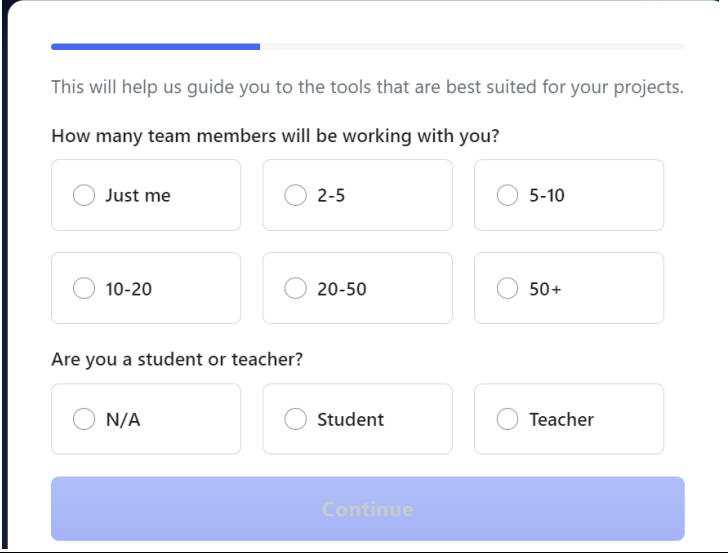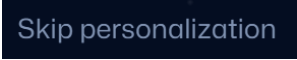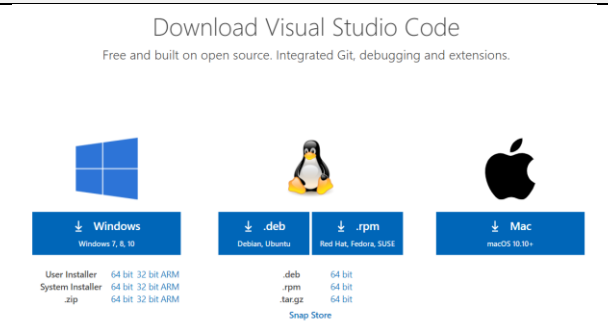
clone	
fork	
pull	
origin/master	

☐ 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 Visual Studio Code

Follow the tutorial below to install Visual Studio Code
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.

Locate the file and install per your operation system	
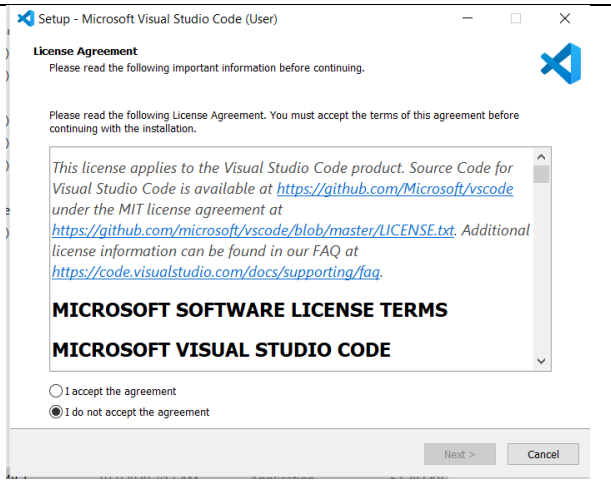
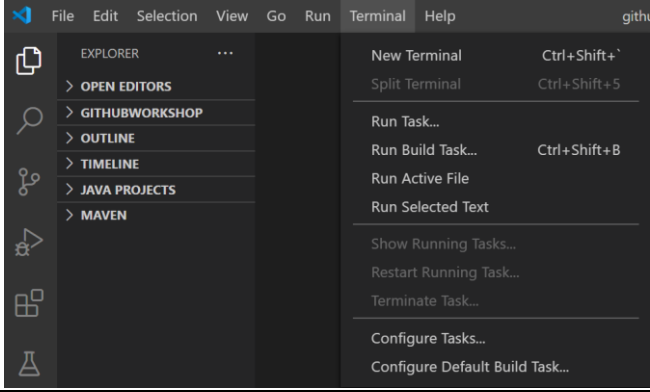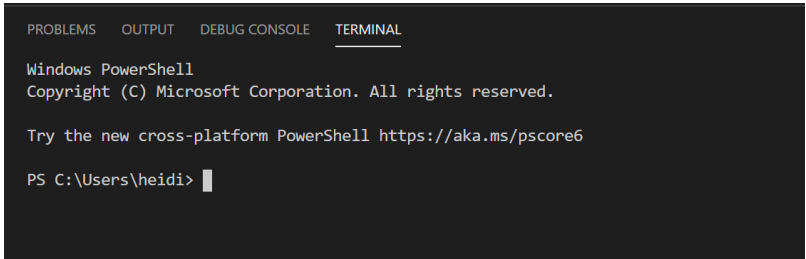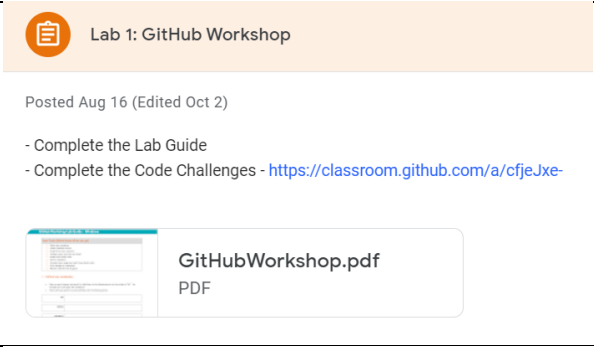## ☐ Configure your username and email

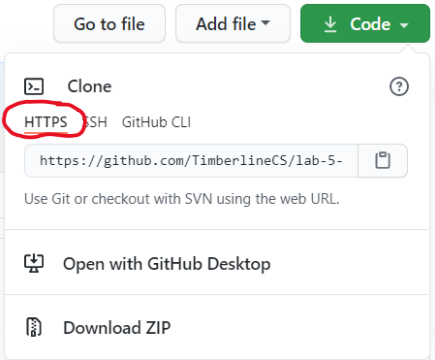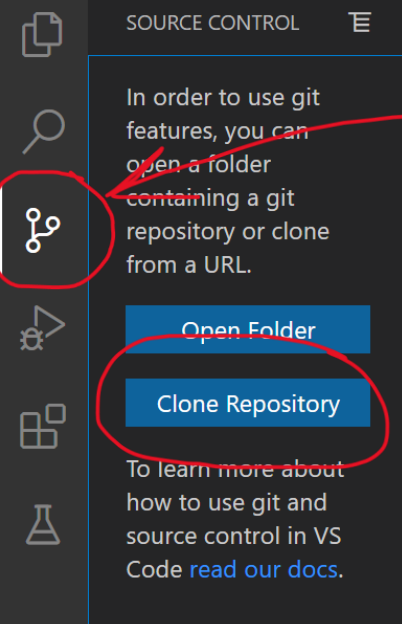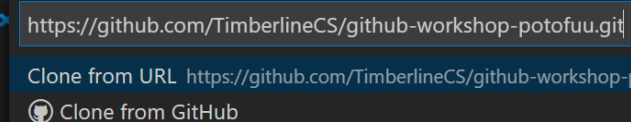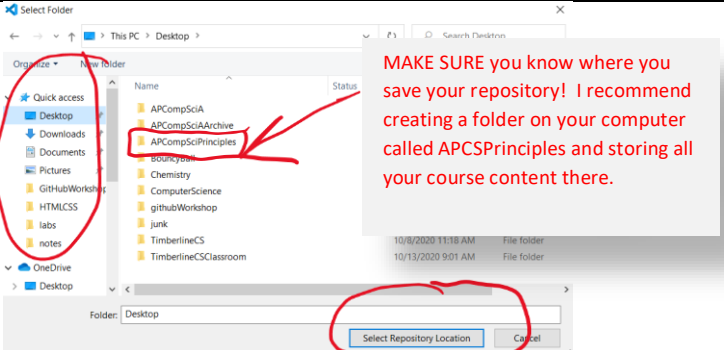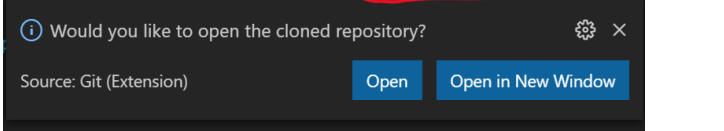| Log in to GitHub and locate your no-reply email - Click on *Settings* from your start menu - In the left menu, click on *Emails* - In the Primary Email Address section copy the no-reply email provided in the text	

Open a Terminal - Open Visual Studio Code - From the menu at the top, select *Terminal, New Terminal*	File Edit Selection View Go Run **Terminal** Help EXPLORER ··· > OPEN EDITORS > GITHUBWORKSHOP > OUTLINE > TIMELINE > JAVA PROJECTS > MAVEN New Terminal Ctrl+Shift+` Split Terminal Ctrl+Shift+5 Run Task… Run Build Task… Ctrl+Shift+B Run Active File Run Selected Text Show Running Tasks… Restart Running Task… Terminate Task… Configure Tasks… Configure Default Build Task…

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>
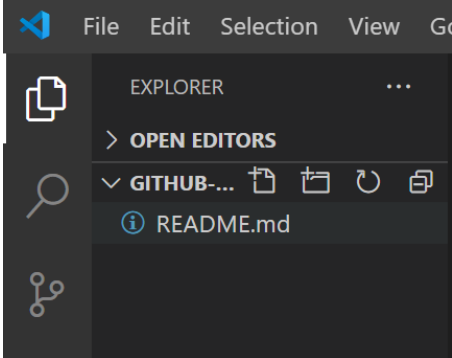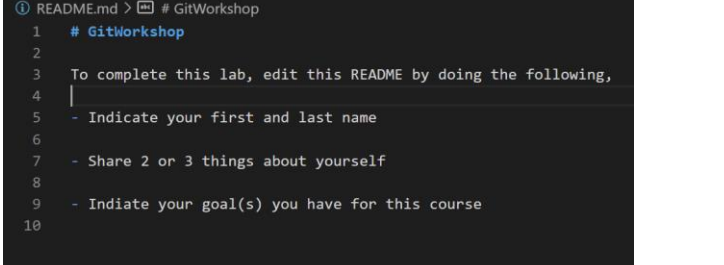
☐ **Clone a repository**

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).

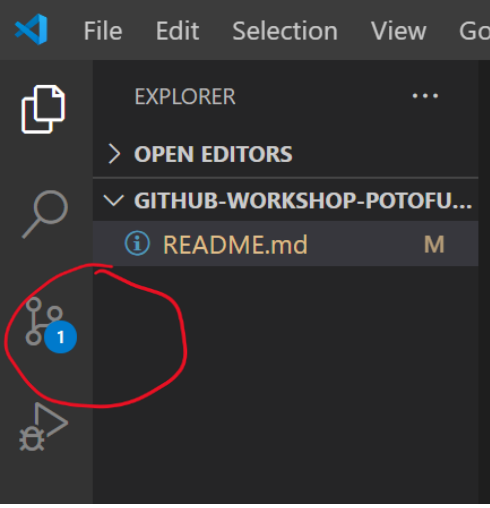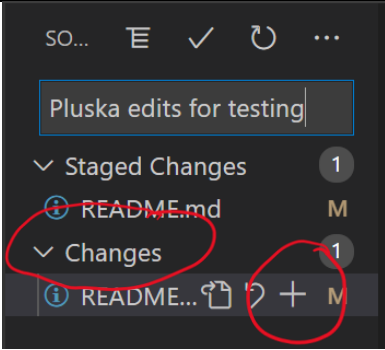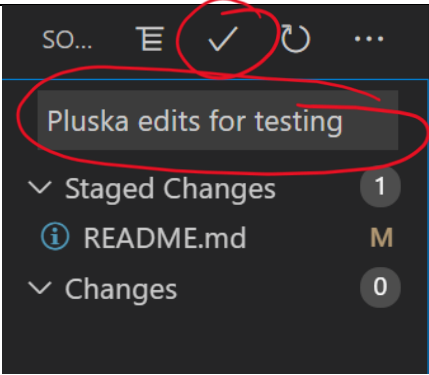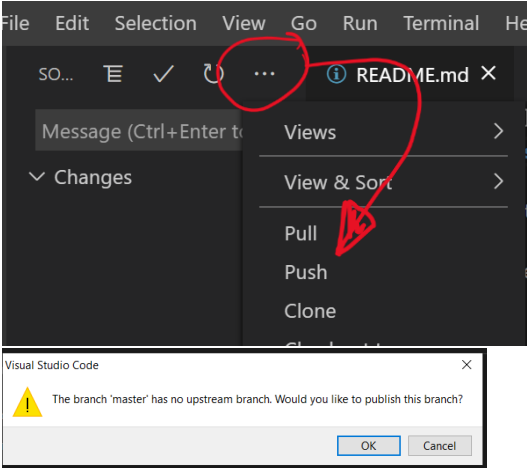|	
Click the green button to accept the assignment	**Accept the assignment —** **GitHub Workshop** Once you accept this assignment, you will be granted access to the `github-workshop-hpluska` repository in the TimberlineCS organization on GitHub. **Accept this assignment**
Refresh this page to see the 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
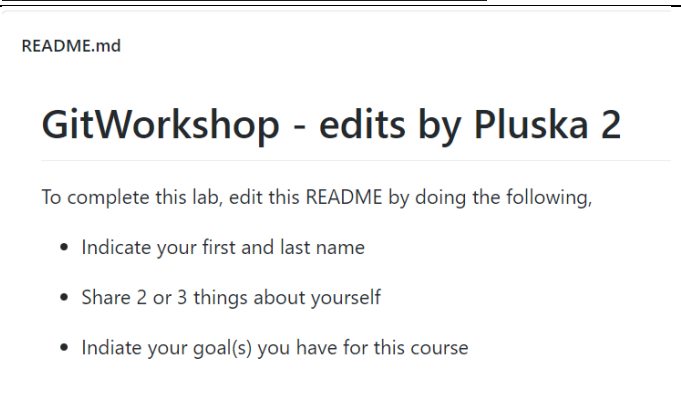
Navigate to where you would like to store the repository. The click *Select Repository Location*	
In the bottom right corner of the screen locate the *Would you like to open the cloned repository?* Window. Click the *Open* button	

☐ Complete your assignment with Visual Studio Code

- Locate the *README.md* file in the left menu and click on it.	
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.	

☐ 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.	

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 to 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.