

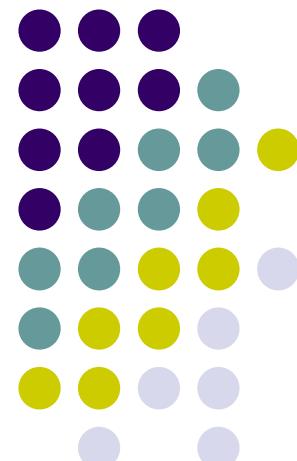
01. B. How to download source code using git

2020. Spring

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Step1: Link is provided



- The Invitation link for source code
 - <https://classroom.github.com/a/9q5Hys8d>
- Getting the code (git clone)
 - 1. click the link and log in to github
 - 2. copy your repository's url
 - 3. Navigate to the directory where you would like to download your repository
 - 4. clone over HTTPS

```
# git clone <repository URL from step 2>
$ git clone https://github.com/TouchofEvil/test.git
```

Click the invitation link (1/4)



- 1. Click this link
 - <https://classroom.github.com/a/9q5Hys8d>
- 2. log into Github
- 3 Click Authorize group

The screenshot shows the GitHub Classroom authorization dialog. At the top, there are two GitHub icons: one with a checkmark and another with a question mark. Below them is the title "Authorize GitHub Classroom". The main content area shows the GitHub Classroom application requesting access to the user's TouchofEvil account. It lists "Personal user data" (Email addresses (read-only)) and "Repositories". Under "Repositories", it states: "This application will be able to access user invites to collaborate on a repository. This includes the following:" followed by a bulleted list: "Accept user invites to collaborate on a repository" and "Reject user invites to collaborate on a repository". A "Learn more" link is provided. At the bottom is a large green "Authorize github" button. Below the button, a message says "Authorizing will redirect to https://classroom.github.com". The footer contains standard GitHub links: "Owned & operated by GitHub", "Created 3 years ago", and "More than 1K GitHub users".

Click the invitation link (2/4)



- 3. Accept this assignment (may not see this)

FileStructure(2020, Spring)@PNU

Accept the assignment —

[fs2020-codes](#)

Once you accept this assignment, you will be granted access to the [fs2020-TouchofEvil](#) repository in the [pnusystemprog](#) organization on GitHub.

[Accept this assignment](#)

- 4. Remember the url

- <https://github.com/pnusystemprog/fs2020-YourID>



You're ready to go!

You accepted the assignment, [fs2020-codes](#). Your assignment repository has been created:

<https://github.com/pnusystemprog/fs2020-TouchofEvil>

Click the invitation link (3/4)



- Check your repository
 - <https://github.com/pnusystemprog/fs2020-YourID>

pnusystemprog / fs2020-TouchofEvil Private

Watch 0 Star 0 Fork 0

Code Issues 0 Pull requests 0 Actions Projects 0 Wiki Security Insights

fs2020-TouchofEvil created by GitHub Classroom

1 commit 1 branch 0 packages 0 releases 1 contributor

Branch: master New pull request Create new file Upload files Find file Clone or download

Commit	Author	Message	Time
Initial commit	templeofking	Initial commit	Latest commit 1c99412 23 seconds ago
ch01		Initial commit	23 seconds ago
ch02		Initial commit	23 seconds ago
README.md		Initial commit	23 seconds ago

README.md

Click

Source Codes for FileStructure (2020, Spring) @ PNU

This repository contains c++ source codes

Click the invitation link (4/4)



- Your git repository address for cloning

[Clone with HTTPS ?](#) [Use SSH](#)

Use Git or checkout with SVN using the web URL.

`https://github.com/pnusystemprog/fs2020-`  Copy to clipboard

[Open in Desktop](#) [Download ZIP](#)

Step 2: Work on it



- Cloning the repository
 - git clone
- Working on your codes
 - git add
- Committing Code
 - git commit
- Looking through your Repository
 - git status, git log
- Pushing your Commits
 - git push

Cloning the repository (1/2)



- Again check the url
 - Each student has a different url
 - <https://github.com/pnusystemprog/fs2020-YourID.git>
- Do these commands
 - First, go to your home directory
 - Then, clone the repository

```
$ cd ~  
  
# clone the test directory  
$ git clone https://github.com/pnusystemprog/fs2020-YourID.git  
Cloning into 'fs2020-TouchofEvil'...  
Username for 'https://github.com': yourID****  
Password for 'yourID': *****  
remote: Enumerating objects: 20, done.  
remote: Counting objects: 100% (20/20), done.  
remote: Compressing objects: 100% (19/19), done.  
remote: Total 20 (delta 0), reused 0 (delta 0), pack-reused 0  
Unpacking objects: 100% (20/20), done.
```

Cloning the repository (2/2)



- Check the local directory
 - Note that the directory name depends on your github ID
 - After changing to fs2020-yourID directory, you can see ch01, ch02 directory

```
$ ls  
fs2020-YourID  
$ cd fs2020-YourID  
$ ls  
README.md ch01 ch02
```

- Change directory to ch01 -> ex2

```
$ cd ch01/ex2  
$ ls  
Makefile StrMain.cpp Strclass.cpp Strclass.h
```

Demo



- Compile and build

```
$ make
g++ -c -o Strclass.o -Wall -g Strclass.cpp
...
g++ -c -o StrMain.o -Wall -g StrMain.cpp
g++ -o strTest Strclass.o StrMain.o
```

- Execute

```
$ ./strTest
=====String Class Test=====
s1: abcdefg
s2: abcdefg
After setString
s1: newStr
s2: abcdefg
comp: 13
s3: newStr
s4: newStr
```

Q&A

