

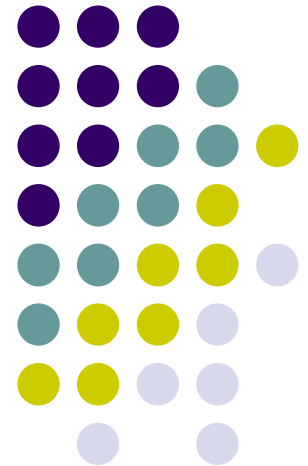
01. B. How to download source code using git

2020. Spring

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Data Science Lab @ PNU



Step1: Link is provided



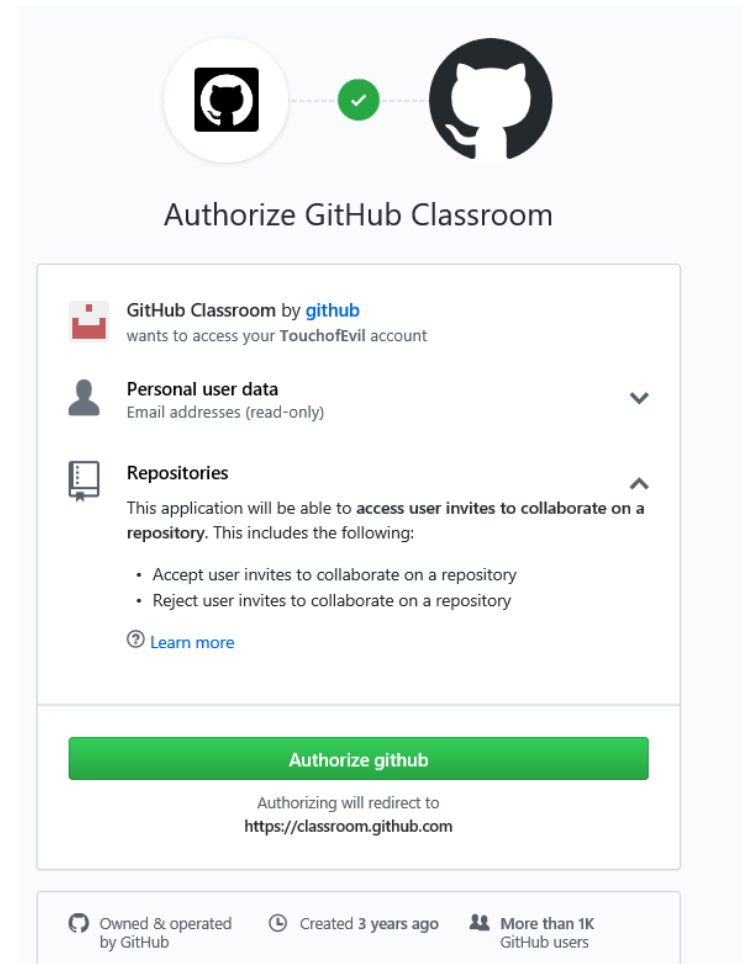
- The Invitation link for source code
 - <https://classroom.github.com/a/9q5Hys8d>
- Getting the code (git clone)
 - 1. click the link and log in to github
 - 2. copy your repository's url
 - 3. Navigate to the directory where you would like to download your repository
 - 4. clone over HTTPS

```
# 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



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**

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

Source Codes for FileStucture (2020, Spring) @ PNU


This repository contains c++ source dodes

Click

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-`



[Open in Desktop](#)

[Download ZIP](#)

Copy to clipboard

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

