

Step1:

QUESTION: What are your git config's?

```
Administrator@PC-20171119GJTZ MINGW64 /f/cs5500_manage_software_development/Student-418-SP19 (master)
$ git config --list
core.symlinks=false
core.autocrlf=true
core.fscache=true
color.diff=auto
color.status=auto
color.branch=auto
color.interactive=true
help.format=html
rebase.autosquash=true
http.sslcainfo=E:/Program Files/Git/mingw64/ssl/certs/ca-bundle.crt
http.sslbackend=openssl
diff.astextplain.textconv=astextplain
filter.lfs.clean=git-lfs clean -- %f
filter.lfs.smudge=git-lfs smudge -- %f
filter.lfs.process=git-lfs filter-process
filter.lfs.required=true
credential.helper=manager
filter.lfs.clean=git-lfs clean -- %f
filter.lfs.smudge=git-lfs smudge -- %f
filter.lfs.process=git-lfs filter-process
filter.lfs.required=true
user.name=yuanjieyue
user.email=yuanjieyue89@gmail.com
color.ui=true
core.excludesGlobal=C:/Users/Administrator/.gitignore_global
core.repositoryformatversion=0
core.filemode=false
core.bare=false
core.logallrefupdates=true
core.symlinks=false
core.ignorecase=true
remote.origin.url=https://github.ccs.neu.edu/cs5500/Student-418-SP19.git
remote.origin.fetch=+refs/heads/*:refs/remotes/origin/*
branch.master.remote=origin
branch.master.merge=refs/heads/master
```

Step2:

QUESTION: What files or directories are in the .git directory?

```
Administrator@PC-20171119GJTZ MINGW64 /f/cs5500sp19
$ git clone https://github.ccs.neu.edu/cs5500/Student-418-SP19.git
Cloning into 'Student-418-SP19'...
remote: Enumerating objects: 48, done.
remote: Counting objects: 100% (48/48), done.
remote: Compressing objects: 100% (39/39), done.
remote: Total 48 (delta 18), reused 23 (delta 5), pack-reused 0
Unpacking objects: 100% (48/48), done.

Administrator@PC-20171119GJTZ MINGW64 /f/cs5500sp19
$ ls
Student-418-SP19/

Administrator@PC-20171119GJTZ MINGW64 /f/cs5500sp19
$ ls
Student-418-SP19/

Administrator@PC-20171119GJTZ MINGW64 /f/cs5500sp19
$ cd Student-418-SP19/

Administrator@PC-20171119GJTZ MINGW64 /f/cs5500sp19/Student-418-SP19 (master)
$ ls
grading/ homework_1/ homework_2/ homework_3/ homework_4/ homework_5/ README.md sprint_Review/
```

Step3:

QUESTION: Using markdown, how would one express a link to the course web page (https:

//course.ccs.neu.edu/cs5500)? Put the markdown command into your answer as text.

[Course Website](<https://course.ccs.neu.edu/cs5500>)

Step4:

QUESTION: What rules are in your .gitignore?

The rules is that ignoring all files ending up with .doc, .docx, .txt

```
Administrator@PC-20171119GJTZ MINGW64 /f/cs5500_manage_software_development/Student-418-SP19 (master)
$ cat .gitignore
# All text homeworks should be submitted by .pdf form, no .doc .txt .docx
*.doc
*.docx
*.txt
```

Step5:

```
Administrator@PC-20171119GJTZ MINGW64 /f/cs5500_manage_software_development/Student-418-SP19 (master)
$ git checkout -b feature1
Switched to a new branch 'feature1'
```

Step6:

QUESTION: What is the content of your pom.xml?

```
Administrator@PC-20171119GJTZ MINGW64 /f/cs5500_manage_software_development/Student-418-SP19/homework_1/homework1 (feature1)
$ cat pom.xml
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/maven-v4_0_0.xsd">
  <modelVersion>4.0.0</modelVersion>
  <groupId>418</groupId>
  <artifactId>homework1</artifactId>
  <packaging>jar</packaging>
  <version>1.0-SNAPSHOT</version>
  <name>homework1</name>
  <url>http://maven.apache.org</url>
  <dependencies>
    <dependency>
      <groupId>junit</groupId>
      <artifactId>junit</artifactId>
      <version>3.8.1</version>
      <scope>test</scope>
    </dependency>
  </dependencies>
</project>
```

Step7:

QUESTION: What is the content of your pom.xml?

```
Administrator@PC-20171119GJTZ MINGW64 /f/cs5500_manage_software_development/Student-418-SP19/homework_1/homework1 (feature1)
$ cat pom.xml
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/maven-v4_0_0.xsd">
  <modelVersion>4.0.0</modelVersion>
  <groupId>418</groupId>
  <artifactId>homework1</artifactId>
  <packaging>jar</packaging>
  <version>1.0-SNAPSHOT</version>
  <name>homework1</name>
  <url>http://maven.apache.org</url>
  <dependencies>
    <dependency>
      <groupId>junit</groupId>
      <artifactId>junit</artifactId>
      <version>4.0</version>
      <scope>test</scope>
    </dependency>
  </dependencies>
</project>
```

Step8:

What are all the commits you've made on the feature-1 branch?

```
commit 8d36112a2a6a0fd476f1dc2b3bec32960ffa9a4b (HEAD -> feature1, origin/feature1)
Author: yuanjieyue <yuanjieyue89@gmail.com>
Date: Sat Jan 12 17:42:49 2019 -0800

    satisfying requirement one
```

What files and sub-directories are listed in your Homework 1 directory on the feature-1 branch.

Branch: feature1 Student-418-SP19 / homework_1 / Create new file Upload files Find file History

This branch is 2 commits ahead of master. Pull request Compare

yuanjieyue satisfying requirement one Latest commit 8d36112 10 minutes ago

..

homework1	satisfying requirement one	10 minutes ago
.ignore	setting up gitignore	2 hours ago
hello.c	done	9 hours ago

What files and sub-directories are listed in your Homework 1 directory on the master branch.

Branch: master Student-418-SP19 / homework_1 / Create new file Upload files Find file History

yuanjieyue setting up gitignore Latest commit 228b12d 2 hours ago

..

.ignore	setting up gitignore	2 hours ago
hello.c	done	9 hours ago

Step9:

Now merge feature-1 into master

```
Administrator@PC-20171119GJTZ MINGW64 /f/cs5500_manage_software_development/Student-418-SP19/homework_1 (master)
$ git merge feature1
Updating 0f60128..8d36112
Fast-forward
 homework_1/homework1/.idea/checkstyle-idea.xml | 16 +
 homework_1/homework1/.idea/codeStyles/Project.xml | 11 +
 .../homework1/.idea/codeStyles/codeStyleConfig.xml | 5 +
```

cs5500 / Student-418-SP19 Private Watch 1 Star 0 Fork 0

Code Issues 0 Pull requests 0 Projects 0 Wiki Insights

Branch: master Student-418-SP19 / homework_1 / Create new file Upload files Find file History

yuanjieyue satisfying requirement one Latest commit 8d36112 20 minutes ago

..

homework1	satisfying requirement one	20 minutes ago
.ignore	setting up gitignore	2 hours ago
hello.c	done	9 hours ago

Step10:

Create a new branch called feature-2 off master.

```
Administrator@PC-20171119GJTZ MINGW64 /f/cs5500_manage_software_development/Student-418-SP19/homework_1 (master)
$ git checkout -b feature2
Switched to a new branch 'feature2'

Administrator@PC-20171119GJTZ MINGW64 /f/cs5500_manage_software_development/Student-418-SP19/homework_1 (feature2)
```

Step 11:

Create a new branch called feature-3 off master.

```
Administrator@PC-20171119GJTZ MINGW64 /f/cs5500_manage_software_development/Student-418-SP19/homework_1 (master)
$ git checkout -b feature3
Switched to a new branch 'feature3'

Administrator@PC-20171119GJTZ MINGW64 /f/cs5500_manage_software_development/Student-418-SP19/homework_1 (feature3)
$ git branch
```

Step 12:

```
Administrator@PC-20171119GJTZ MINGW64 /f/cs5500_manage_software_development/Student-418-SP19/homework_1/homework1 (feature2)
$ git log
commit a243eb0d0b9b585d3694fc2d803d24cdc8f85758 (HEAD -> feature2, origin/feature2)
Author: yuanjiejue <yuanjiejue89@gmail.com>
Date: Sat Jan 12 18:15:51 2019 -0800

    satisfying requirement change two
```

Step 13:

```
Administrator@PC-20171119GJTZ MINGW64 /f/cs5500_manage_software_development/Student-418-SP19/homework_1/homework1 (feature3)
$ git log
commit 34657e0bb3020108add935f825b753362f56fae5 (HEAD -> feature3, origin/feature3)
Author: yuanjiejue <yuanjiejue89@gmail.com>
Date: Sun Jan 13 09:00:19 2019 -0800

    satisfying requirement change three
```

Step 14:

```
commit a5385868a0218c8ea11bb7637814fc62248a9190 (HEAD -> master, origin/master, origin/HEAD)
Merge: fc14e2d 1fa9897
Author: yuanjiejue <yuanjiejue89@gmail.com>
Date: Sun Jan 13 09:04:22 2019 -0800

    Merge branch 'feature2'
```

Step 15:

```
Administrator@PC-20171119GJTZ MINGW64 /f/cs5500_manage_software_development/Student-418-SP19/homework_1/homework1 (master|MERGING)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

You have unmerged paths.
  (fix conflicts and run "git commit")
  (use "git merge --abort" to abort the merge)

Changes to be committed:
  modified:   target/surefire-reports/TEST-edu.neu.ccs.RangePrinterTest.xml
  new file:   target/surefire-reports/edu.neu.ccs.RangePrinterTest.txt

Unmerged paths:
  (use "git add <file>..." to mark resolution)
  both modified:   .idea/workspace.xml
  both modified:   src/main/java/edu/neu/ccs/RangePrinter.java
  both modified:   src/test/java/edu/neu/ccs/RangePrinterTest.java
  both modified:   target/homework1-1.0-SNAPSHOT.jar
```

```
Administrator@PC-20171119GJTZ MINGW64 /f/cs5500_manage_software_development/Student-418-SP19/homework_1/homework1 (master|MERGING)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

All conflicts fixed but you are still merging.
  (use "git commit" to conclude merge)

Changes to be committed:
  modified:   .idea/workspace.xml
  modified:   src/main/java/edu/neu/ccs/RangePrinter.java
  modified:   src/test/java/edu/neu/ccs/RangePrinterTest.java
  modified:   target/surefire-reports/TEST-edu.neu.ccs.RangePrinterTest.xml
  new file:   target/surefire-reports/edu.neu.ccs.RangePrinterTest.txt

Administrator@PC-20171119GJTZ MINGW64 /f/cs5500_manage_software_development/Student-418-SP19/homework_1/homework1 (master|MERGING)
$ git commit -m 'resolve merge conflicts when merging feature3'
[master 3d558a5] resolve merge conflicts when merging feature3

Administrator@PC-20171119GJTZ MINGW64 /f/cs5500_manage_software_development/Student-418-SP19/homework_1/homework1 (master)
$ git status
On branch master
Your branch is ahead of 'origin/master' by 2 commits.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean
```

Step 16:

I use git diff, there show nothing in the terminal, while I check the github page,

I see the following things: that we have revert from feature3 and now the HEAD is at feature2.

```
public class RangePrinter {

    public String printRange(int lo, int hi) {
        StringBuilder res = new StringBuilder();
        System.out.println("The numbers between " + lo + " and " + hi + " are:");
        for (int i = lo + 1; i < hi; i++) {
<<<<<< HEAD
            if (i % 2 == 1) {
                res.append(i);
                if (i < hi - 1) {
=====
                if (i % 2 == 0) {
                    res.append(i);
                    if (hi % 2 == 1 && i < hi - 1 || i < hi - 2) {
>>>>>> feature3
                        res.append(",");
                    }
                    System.out.println(i);
                }
            }

        }

        return res.toString();
    }
}
```