Clone Repository

- Open Git Bash
- Type following commands (descriptions to right, bold are git commands)
    - cd ~   **go to home dir
    - mkdir my_git_repos   **make new dir (for all repos)
    - cd my_git_repos

`git clone https://github.com/1805May07Java/1805May07Batch.git`
    - **o**   ****clone repo at <url>**
    - cd <created directory>   **go into created repo/dir
    - git checkout -b Firstname_Lastname   ****create new branch**
    - mkdir Firstname_Lastname_Code   **make new dir (for your code)
    - cd Firstname_Lastname_Code
    - touch README.md   **create README.md
    - echo "Firstname Lastname's code" > README.md   **put text in file
    - git add README.md   ****add file to staging area**
    - git commit -m "Firstname Lastname add README.md"   ****commit changes**
    - git push --set-upstream origin Firstname_Lastname   ****push changes to central repo**

Find Week 1 Java Homework

- In the repository you just cloned, there is a file:
    - ….\Week_1-Java\Java Homework\Core Java HW.docx
- In this file there are Java questions that are due by the Friday of Week 1.
- The homework must be submitted to GitLab on your Firstname_Lastname branch.
- Hint:
    - Make sure you are on your Firstname_Lastname branch
    - In Eclipse, create a Java project under the Firstname_Lastname_Code directory
        - Example: Firstname_Lastname_Code\CoreJavaHomeworkWeek1

Helpful Git Commands (for later use)

1. **You made changes to files A.java and B.java and you want to push up the changes**
   o git status
      - **you can see the files were modified
   o git add A.java
   o git add B.java
   o git status
      - **you can see the files were added to the **staging area**
   o git commit -m "add A.java and B.java"
   o git status
      - **nothing to commit, that means the file changes were committed
      - **however, it says "Your branch is ahead of 'origin/Firstname_Lastname' by 1 commit."
   o git push
   o git status
      - **perfect, now it says "Your branch is up-to-date with 'origin/Firstname_Lastname'."

2. **The trainer put new code up on git and you want to pull those changes**
   a. You can look at the code on gitlab.com
   b. This is assuming you want the code locally, the new code is on the master branch, and you are on your Firstname_Lastname branch
   o git checkout master
   o git pull
   o git checkout Firstname_Lastname
   o git merge master –m "get new code from master branch"