**Clone Repository**

**<file\_name> == this is a placeholder for “MyFile”, don’t use brackets <>**

**<Firstname>\_<Lastname>\_P0 == Ben-Arayathel-P0**

**<url> ==** [**https://github.com/2012JavaReston/BankAppPart1.git**](https://github.com/2012JavaReston/BankAppPart1.git)

**<created directory> == Ben-Arayathel-P0 ('ls' to see what’s available)**

• 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 \*\***goes to created repo

• **git clone <url>** \*\*clone repo at <url>cd

• **git ls** \*\*This will showcase what folders are available within the current folder

•  **cd <created directory>** \*\*go into created repo/dir

• **git checkout -b <Firstname>\_<Lastname>** \*\*create new branch

• **mkdir <Firstname>-<Lastname>-P0** \*\*make new dir (for your code)

• **cd <Firstname>-<Lastname>-P0**

• **touch README.md** \*\*create README.md

• **echo “<Firstname> <Lastname>’s code” > README.md** \*\*put text in file : "<Name> Project 0 part 1"

• **git add README.md** \*\*add file to staging area

• **git commit -m "<message>"**commit changes with a message, e.g. “firstcomit”

• **git push -u origin <branch name>** \*\*push changes to central

**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 add** \* (This will add all all the changes)

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 github.com

b. This is assuming you want the code locally, the new code is on the “Ben” branch, and you are on your Firstname\_Lastname branch

* **git checkout Ben\_Arayathel**
* **git pull**