CMPSC 100

Computational Expression

GitHub   Your PC   GitHub

"Working"
directory
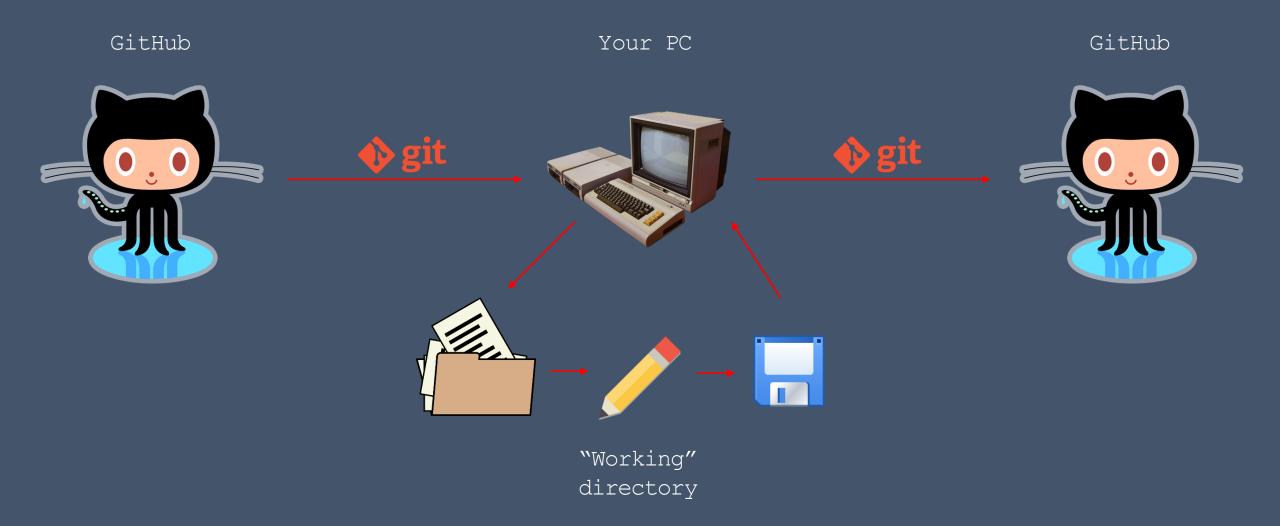
- Head to our course GitHub
  - Link is in the Slack #activities channel
- Find the "class-activities" repository
- "Clone" the repository to a easily-accessible, easy-to-remember location.
  - For example, to your ~ ("Home") directory or
  - Desktop
    - For Mac users: ~/Desktop
    - For (some) Windows users, either:
      - ~/Desktop
      - ~/OneDrive/Desktop

Makes an element visible to other programs

Renders an element unique and immutable

Indicates that there is no *return* type

Parameter

```java
public class HelloWorld {

    public static void main(String[] args) {

        // This is a comment. Does it display?

        System.out.println("Hello, World!");

    }

}
```

Method call; reference to the java.lang library

Parameter

Reserved words

- In HelloWorld.java, the reserved words are:
  - public
  - HelloWorld
  - static
  - void
  - main
  - args
  - System
  - out
  - println

- Have a look over the source code of both HelloWorld.java and GreetWorld.java
  - What do you expect the output of GreetWorld.java to be?
  - How do you know?
- Run the following commands to verify:
  - `javac HelloWorld.java -d .`
  - `javac GreetWorld.java`
  - `java GreetWorld`

```java
package greetings;

~~public~~ class HelloWorld {

  public static String say(){
    return "Hello, World!";
  }

  public static void main(String[] args) {
    System.out.println(say());
  }

}
```

```java
package greetings;

public class HelloWorld {

    public static String say(){
        return "Hello, World!";
    }


    public static ~~void~~ int main(String[] args) {
        System.out.println(say());
    }


}
```

Adding Keys

- Don't forget to add your keys to your session so that you can "clone" from GitHub

- In a terminal session, do the following:
  - Check if you already have a key loaded: ssh-add –l
    - If you receive a response beginning with "4096 SHA256," your key is loaded
  - eval "$(ssh-agent –s)"
  - ssh-add ~/.ssh/id_rsa

Lab file management

- Change directories ("cd") to your desktop:
  - For Mac users, this is likely ~/Desktop
  - For Windows users, this is likely:
    - ~/OneDrive/Desktop
    - ~/Desktop
- Make a directory called "CMPSC100" ("mkdir" or visually)
- Change directories to this new location ("cd")
- Clone the repository

Lab copy corrections

1. You are looking for DisplayPoem.java

2. The actual Docker command for GatorGrader container is in the #labs channel