Class 5 Recap – MO Coding 101

In this class, we integrated the calculator into our website. We used the **<script>** tag to signify JS code within HTML and copy and pasted our created calculator code into there.

We use document.getElementByID in order to get the value of the textbox we made (using the **<input>** tag) and set the calculator answer response in order to give back the correct number.

```
<!DOCTYPE html>
<html>
  <head>
    <title>My Website</title>
    <meta charset="UTF-8" />
  </head>

  <body>
    <div id="app">
      <p>My name is Ansel and I have a cat!</p>
      <script>
        function calculator(){
        var stringInput = document.getElementById("inputVal").value;
        console.log("AAAA")
        console.log(stringInput)
        // Step 1: iterate through the string, make the string into a list
        let listOfCalculatorItems = stringInput.split("")
        console.log(listOfCalculatorItems)

        // Step 2: figure out what is the operator being inputted
        let operator = listOfCalculatorItems[1];
        console.log(operator)

        // Step 3: to "parse" the numbers into actual numbers
        let firstNumber = parseInt(listOfCalculatorItems[0]);
        let secondNumber = parseInt(listOfCalculatorItems[2])

        // Step4: bunch of if stateements depending on what the operator is:
        let result;
        if (operator == "x") {
          result = firstNumber * secondNumber;
        } else if (operator == "/") {
          result = firstNumber / secondNumber;
        } else if (operator == "+") { // addition
          result = firstNumber + secondNumber;
        } else if (operator == "-") { // substration
          result = firstNumber - secondNumber;
        }
        document.getElementById("answer").innerHTML = result;


      }
      </script>

      <h1> My Awesome Calculator</h1>
      <input type="text" id="inputVal" name="inputVal"><br>
      <input type="submit" value="Submit" onclick="calculator()">
      <p>The answer is</p>
      <p id="answer"></p>
    </div>

  </body>
</html>
```

Publishing our code to a URL

In order to publish your code to a URL and get it up and working you must do the following:

Step1: Make a GitHub account

Step2: Make a new repository by clicking **Repository** and clicking **New** (green button)

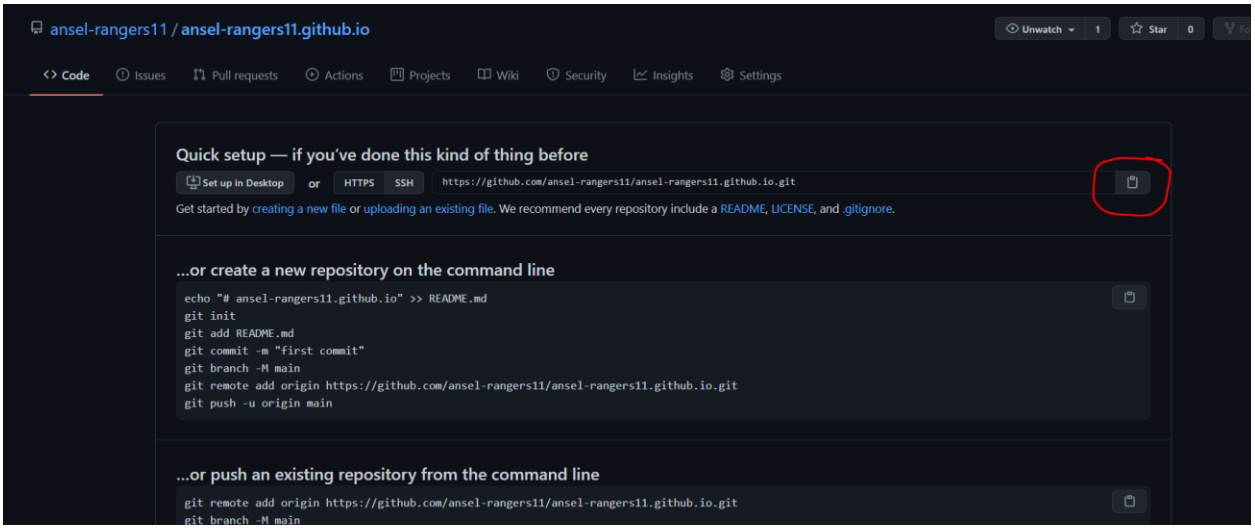
Step3: Under repository name, you **must** follow the format *username.*github.io. For example, if my GitHub username is ansel, then my github repository would be ansel.github.io. Also make sure your repository is **public** and **NOT private.**

Step4: Click **Create Repository**

Step5: Download Git Bash on your local computer. You need Git Bash to run local commands. https://git-scm.com/downloads

Step6: Go back to Github and click at your new repository.

Step7: Click the clipboard icon on the right hand side to copy the repository URL.



Quick setup — if you've done this kind of thing before

https://github.com/ansel-rangers11/ansel-rangers11.github.io.git

Get started by creating a new file or uploading an existing file. We recommend every repository include a README, LICENSE, and .gitignore.

...or create a new repository on the command line

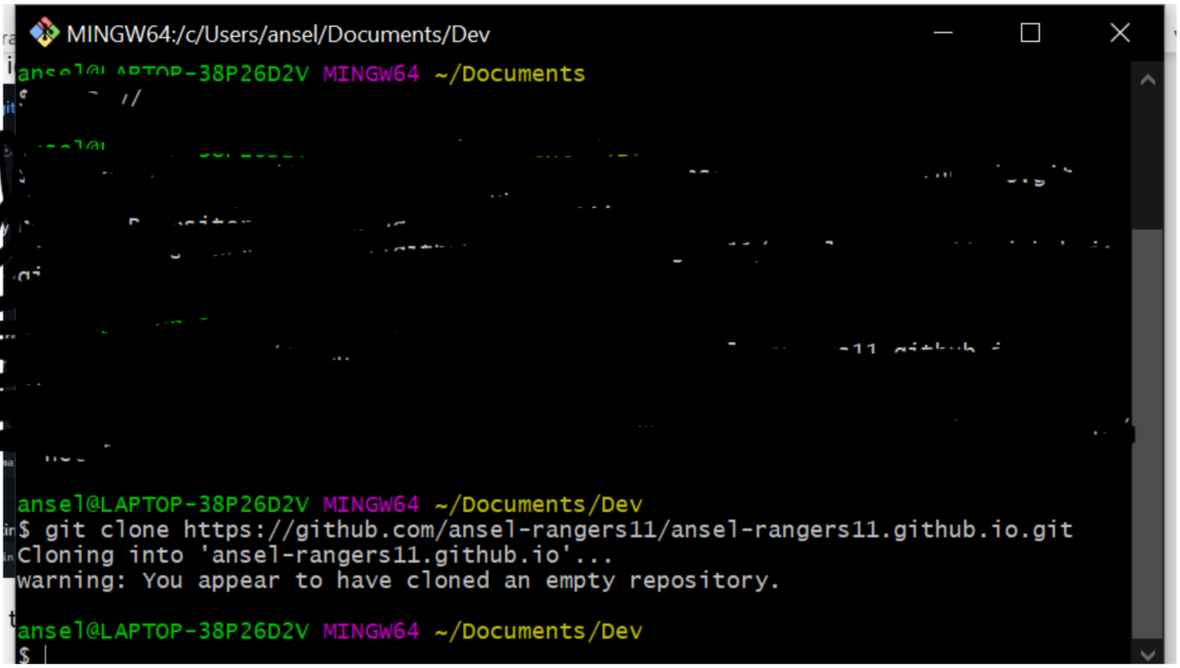
```
echo "# ansel-rangers11.github.io" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M main
git remote add origin https://github.com/ansel-rangers11/ansel-rangers11.github.io.git
git push -u origin main
```

...or push an existing repository from the command line

```
git remote add origin https://github.com/ansel-rangers11/ansel-rangers11.github.io.git
git branch -M main
```

Step8: Open Git Bash and go to the folder you want your github repository to live in your computer. **NOTE: Watch this video first to understand how to navigate with command line (https://www.youtube.com/watch?v=xp6oHaStwww&ab_channel=OneMonth)**

Step9: Once in the right directory, type in **git clone (repository URL you just copied)** See example below for reference. If successful, you should receive some warning that says “You appear to have cloned an empty repository


MINGW64:/c/Users/ansel/Documents/Dev

```
[redacted]

ansel@LAPTOP-38P26D2V MINGW64 ~/Documents/Dev
$ git clone https://github.com/ansel-rangers11/ansel-rangers11.github.io.git
Cloning into 'ansel-rangers11.github.io'...
warning: You appear to have cloned an empty repository.

ansel@LAPTOP-38P26D2V MINGW64 ~/Documents/Dev
$ |
```

Step10: Copy and paste **all** the files you used in this course into the new repository you just made.

Step11: You are done for now and please wait for next class for further instructions on how to get your website up and running on a URL.