Lesson 5: Tax Calculator

Setup Workspace

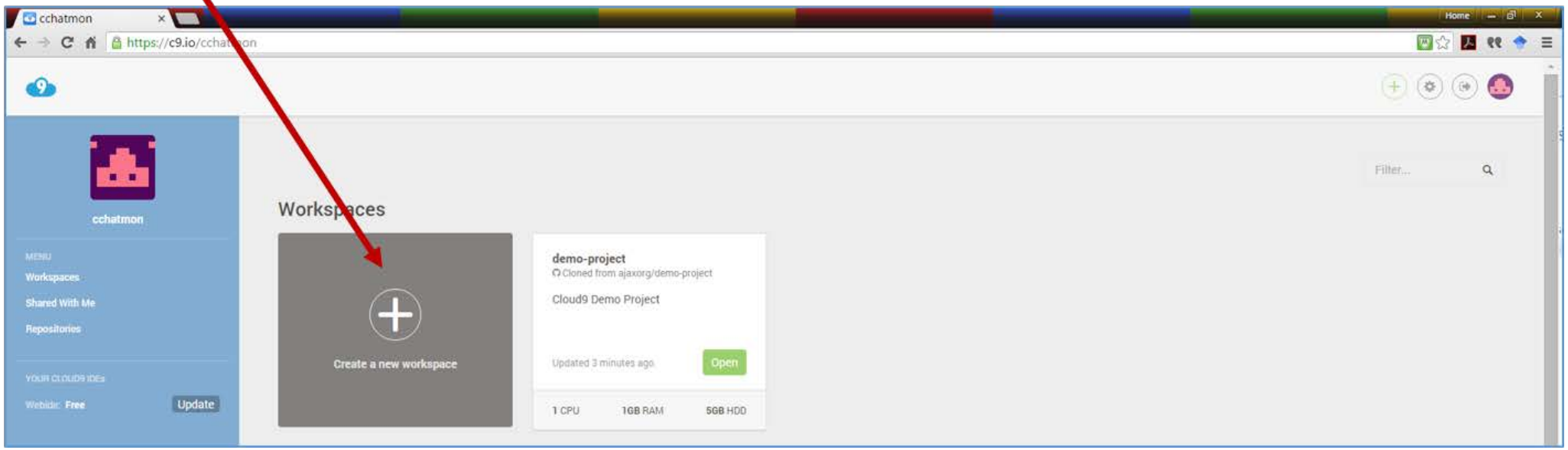
Setup Workspace - 6 STEPS

- **Step #1: Setup a new workspace in Cloud9**
- **Step #2: Move files to the local repository in Cloud9**
- **Step #3: Connect Cloud9 Account to GitHub Account**
- **Step #4: Create a new remote repository in GitHub**
- **Step #5: Push files to the Remote Repository (GitHub)**
- **Step #6: Verify!**

Step #1: Setup a new workspace in Cloud9

Create a new workspace in Cloud9 for Lesson 5:

Click the (+) symbol to create a new workspace.



Step #1: Setup a new workspace in Cloud9

Add the workspace details for Lesson 5:

Step 1. Give the workspace the following name:

yourLastName_lesson5_javascript2

Example: chatmon_lesson5_javascript5

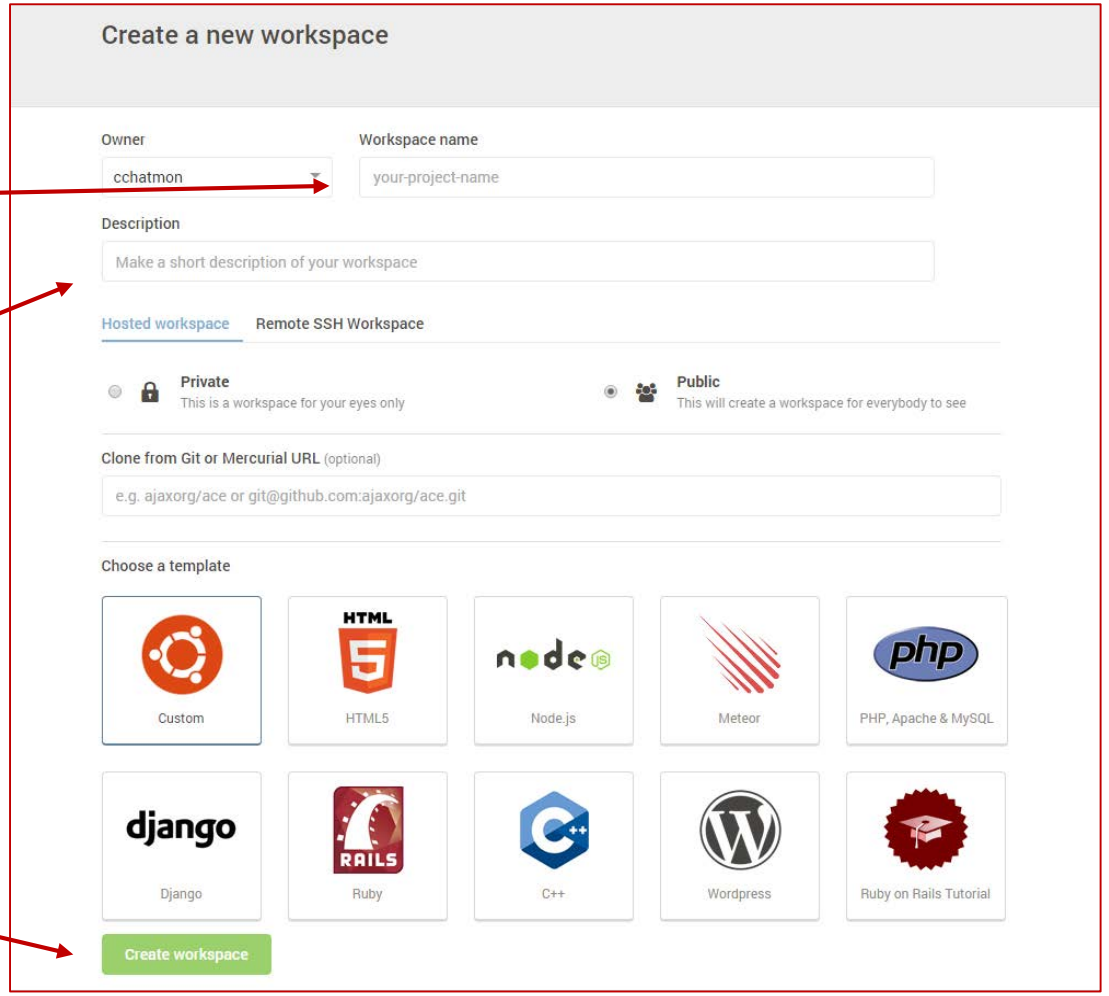
Step 2. Give the following description for the workspace:

Lesson 5: This lesson introduces the advantages of code modularization and reusable code by using conditional statements, loops, and functions.

Step 3. Leave the remaining default options.

Step 4. Click the "**Create Workspace**" button.

Your workspace should now be created!



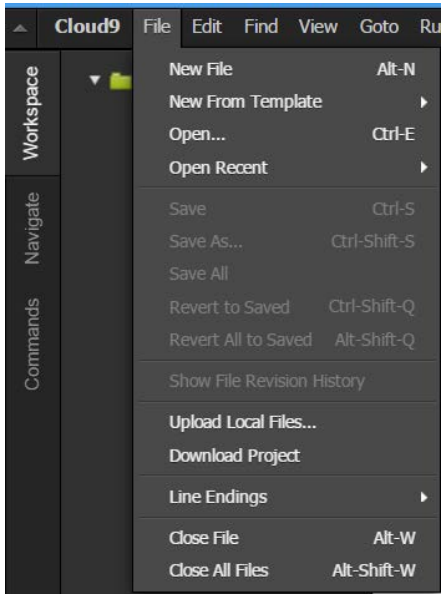
Step #1: Setup a new workspace in Cloud9

Upload Lesson 5 Assignment files into the Cloud9 workspace:

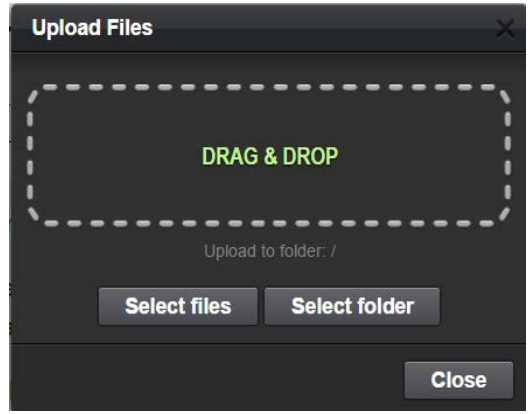
1. Click the following link to **DOWNLOAD** and **ADD** the files to the workspace:
   Lesson5_taxCalculator

   (taxCalculator.html and sytles.css)

2. In **Cloud9**, select **File > Upload Local Files…**



3. Click **Select folder** and upload **required folder** for this lesson to the workspace **or DRAG & DROP** the **required folder** in the **Upload Files** panel. Close the panel after all files/folders have been uploaded.



Step #1: Setup a new workspace in Cloud9

Upload Lesson 5 Assignments files into the Cloud9 workspace:

- Move the files into the workspace.

Click **Select folder** and upload **required folder** for this lesson to the workspace **or** **DRAG & DROP** the **required folder** in the panel. Close the panel after all files/folders have been uploaded.

Step #2: Move Files to Local Repository in Cloud9

- In **Cloud9** Terminal, enter the following commands below which achieve the following:
  - initialize the local **git** repository ***(git init)***
  - add all file(s) and folder(s) from the current directory to the staging area ***(git add .)***
  - copy the file(s) and folder(s) to the local repository ***(git commit –m 'message')***

COMMANDS TO ENTER IN THE Cloud9 TERMINAL: *(Type commands AFTER the '$'):*

```
$ git  init

$ git  add   .

$ git  commit   -m  'lesson 5 first commit'
```

Step #2: Move Files to Local Repository in Cloud9

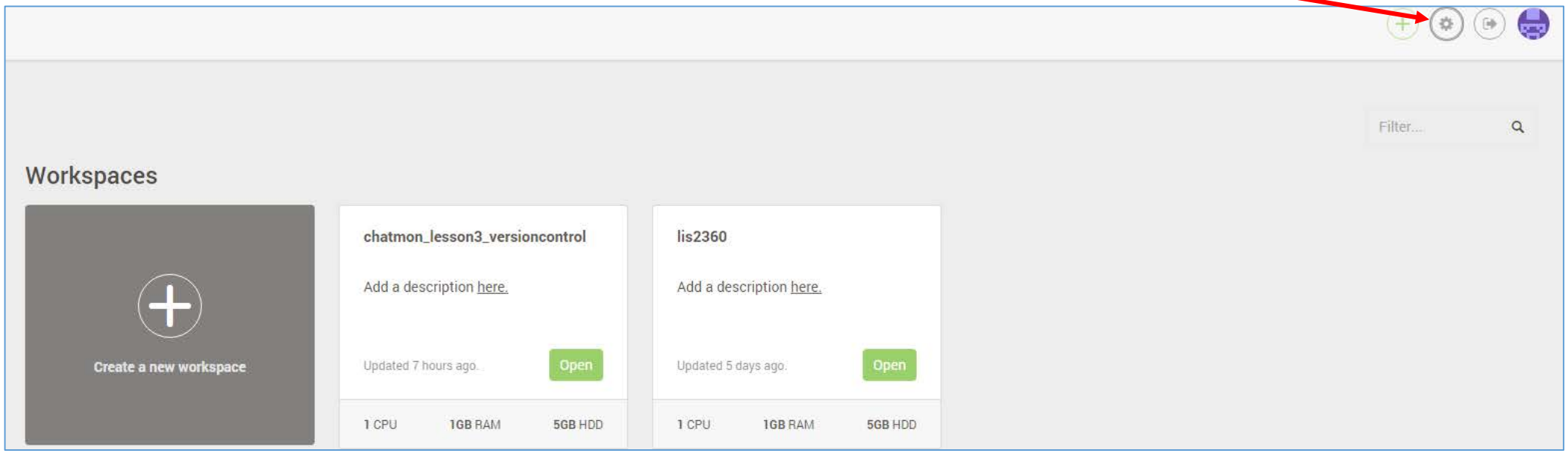
****EXAMPLE****

HINT: Yours may look slightly different!!

```
Your username :~/workspace $ git init
Initialized empty Git repository in /home/ubuntu/workspace/.git/
Your username :~/workspace (master) $ git add .
Your username :~/workspace (master) $ git commit -m 'lesson 5 first commit'
[master (root-commit) 86693f2] lesson 5 first commit
 3 files changed, 684 insertions(+)
 create mode 100644 styles.css
 create mode 100644 taxCalculator.html
```

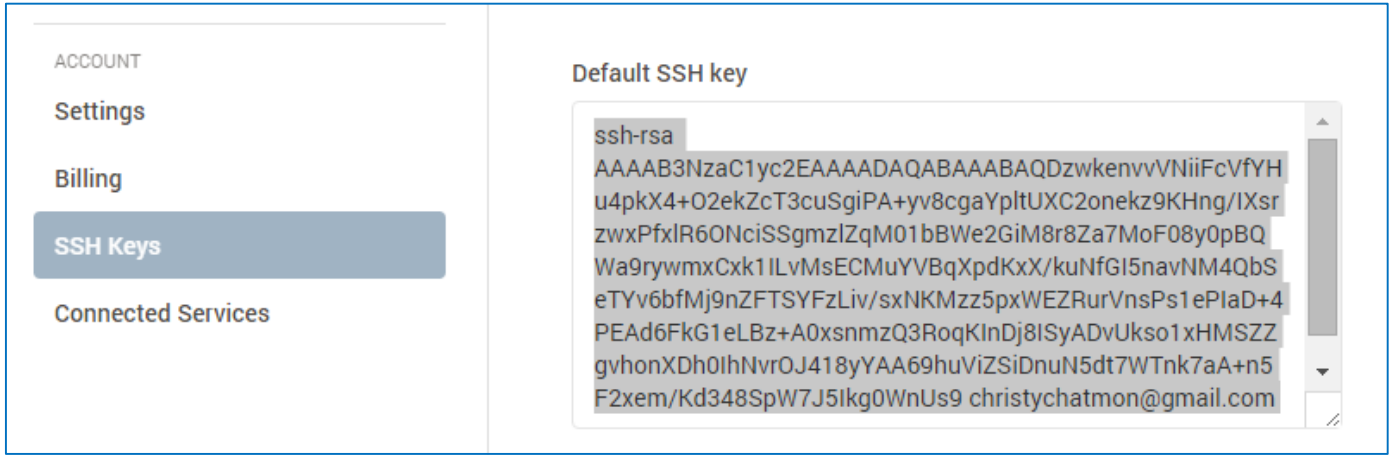
Step #3: Connect Cloud9 Account to GitHub Account

- In the **Cloud9 dashboard**, select **Accounting Settings** icon in the top right hand corner:
  - Click to access your **Account Settings** menu in the **Cloud9**



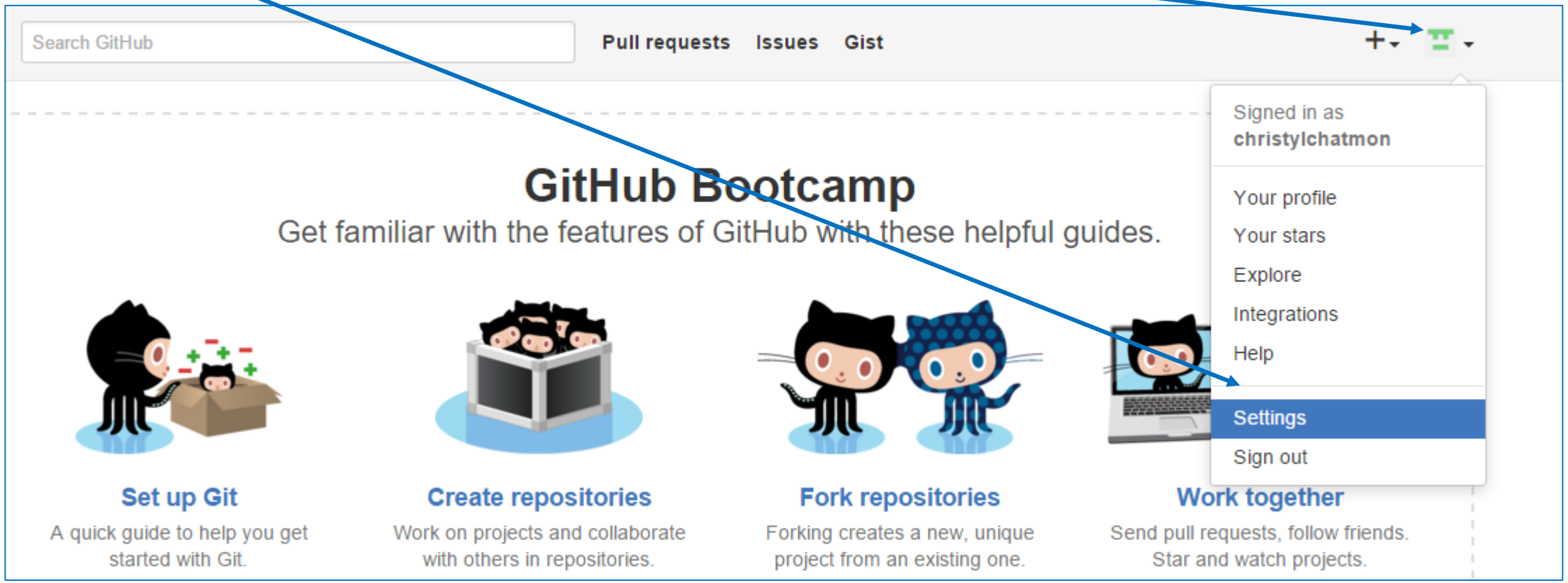
Step #3: Connect Cloud9 Account to GitHub Account

- In **Cloud9** in the **Account Settings** screen, select the **SSH Keys** option.
- Click in the screen for the **Default SSH Key** and copy this key to the buffer!!!!
  - **CTRL + C (Windows) or**
  - **Command + C (Mac)**



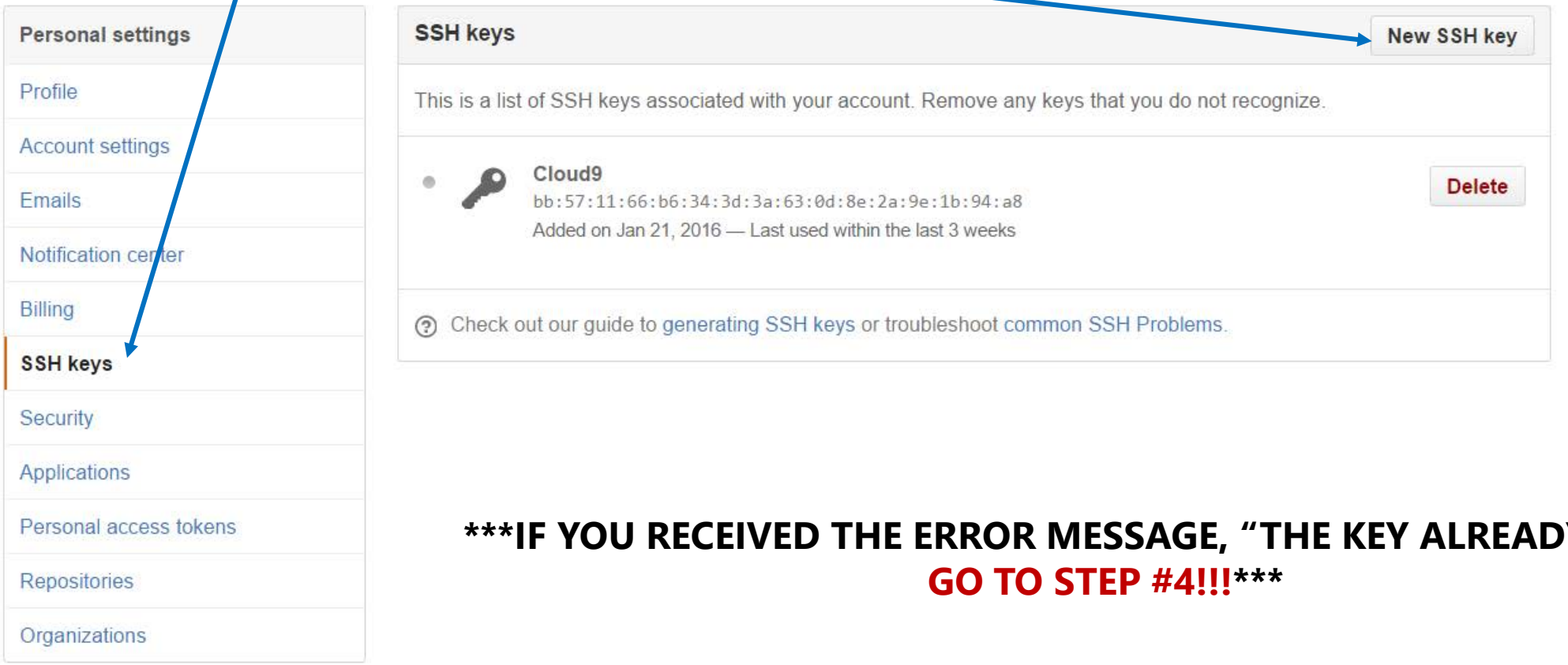
Step #3: Connect Cloud9 Account to GitHub Account

- In order to add the **SSH Key** from **Cloud9** to **GitHub**, go to **GitHub** (**https://github.com/**) and select the **Settings** option using the **View Profile and More** icon in the top right corner.



Step #3: Connect Cloud9 Account to GitHub Account

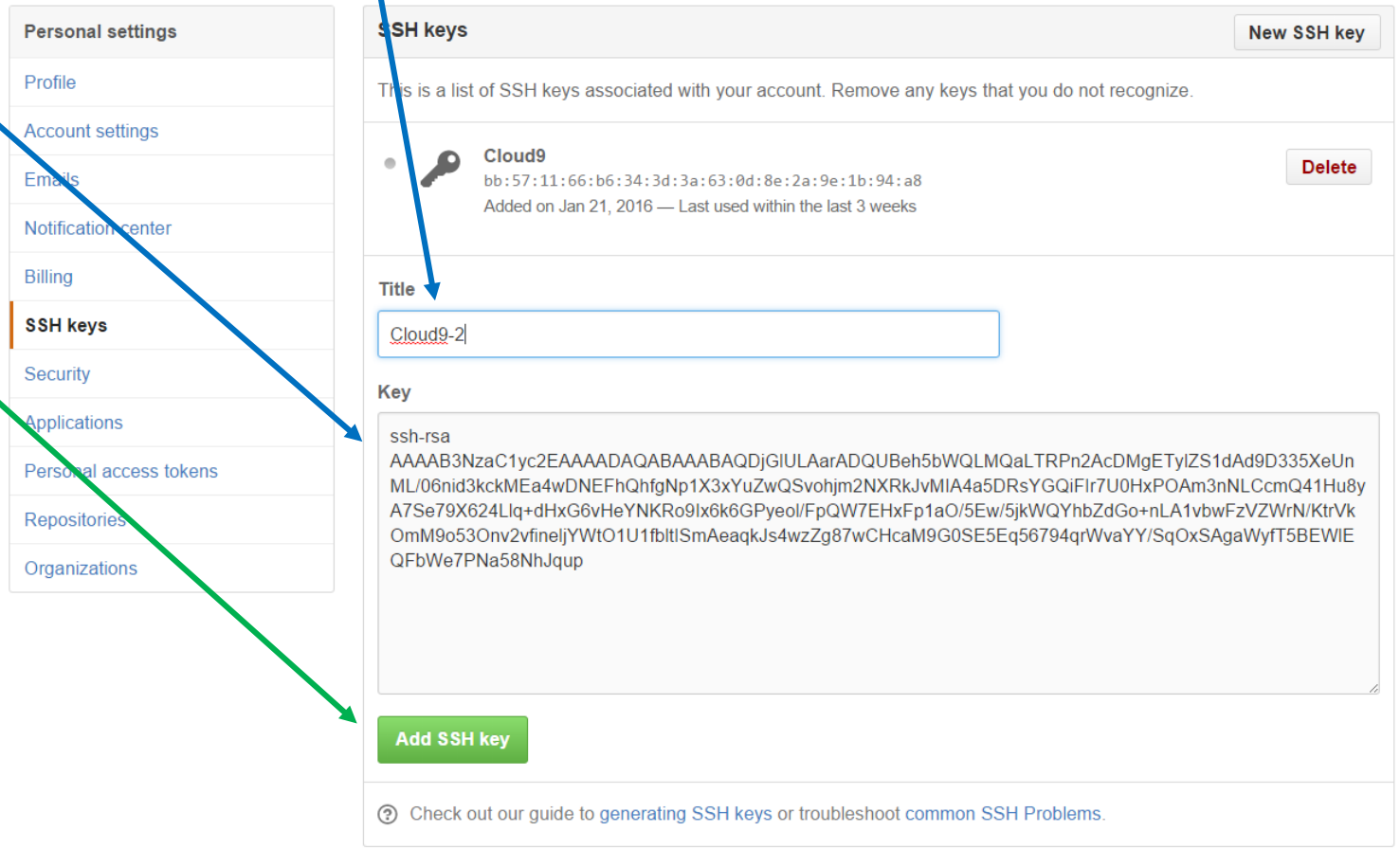
- In **GitHub Settings** screen, select the **SSH Keys** option.
- Select the **New SSH Key** button.



*****IF YOU RECEIVED THE ERROR MESSAGE, "THE KEY ALREADY EXISTS", GO TO STEP #4!!!*****

Step #3: Connect Cloud9 Account to GitHub Account

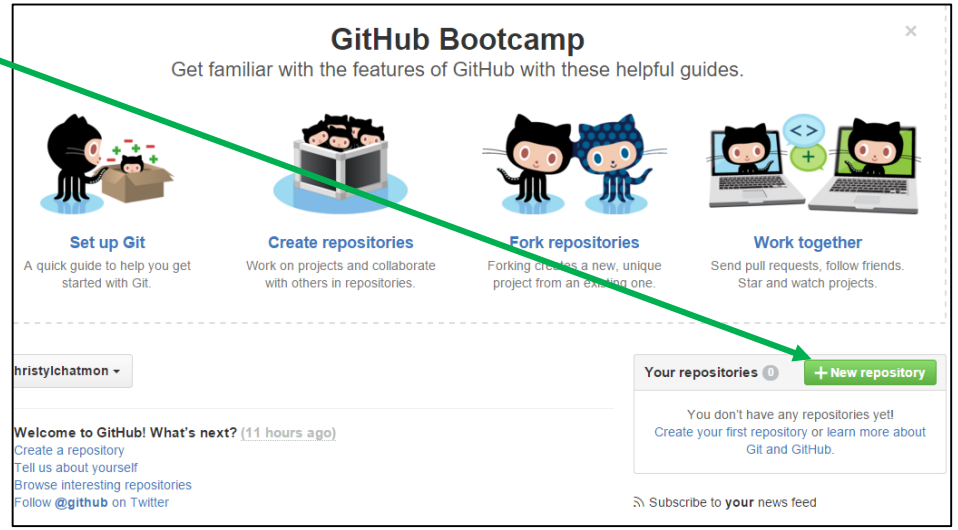
- Give this **SSH Key** the following **Title**: **Cloud9-5**
- Paste the **SSH Key** in the **Key** textbox. *(**CTRL+V** for Windows; **Command+V** for Mac)*
- Press **Add Key** button.



Step #4: Create a New Remote Repository in GitHub

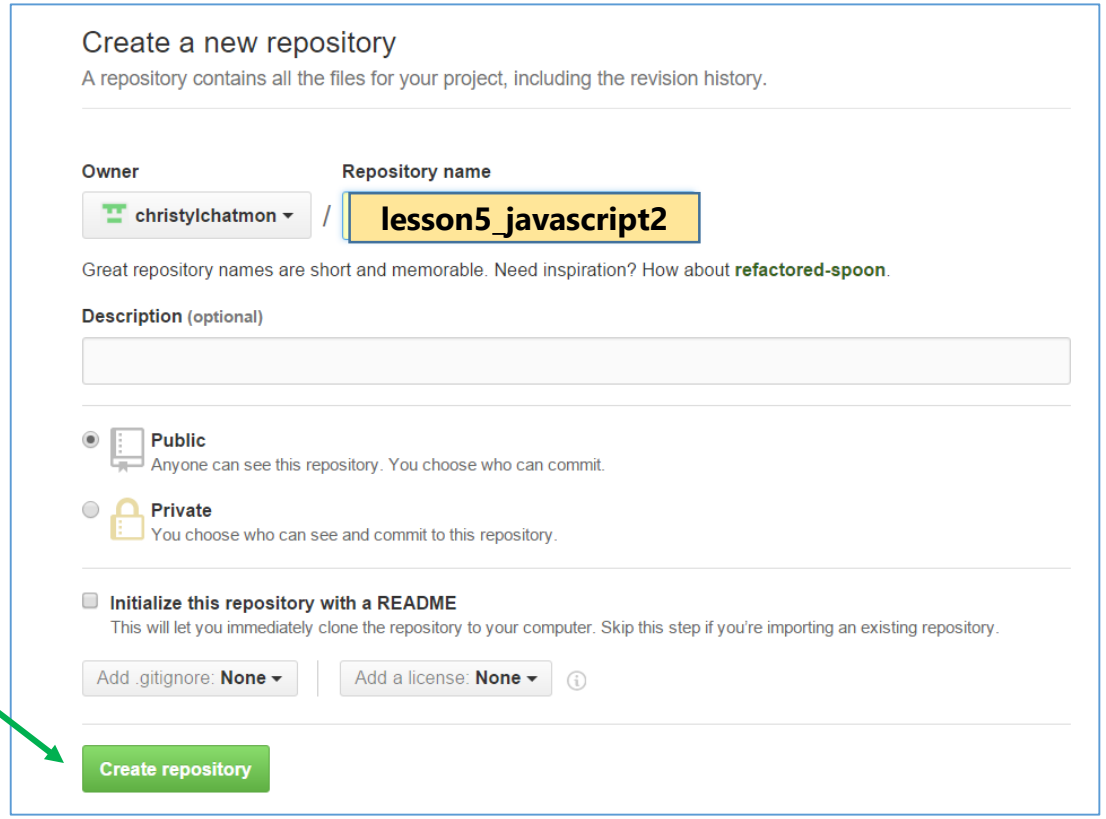
- Select the **GitHub** icon in the top left-hand corner to return to the **GitHub** dashboard.

- In **GitHub,** create a **new repository** (using default options) in **GitHub**
  - Click the **New Repository** button on the **GitHub** main page.



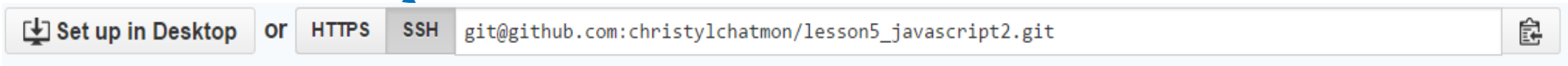
Step #4: Create a New Remote Repository in GitHub

- Create a Repository (using default options) in **GitHub**
  - **Repository Name:** "**lesson5_javascript2**"
  - Leave all default options
  - Click "**Create repository**" button

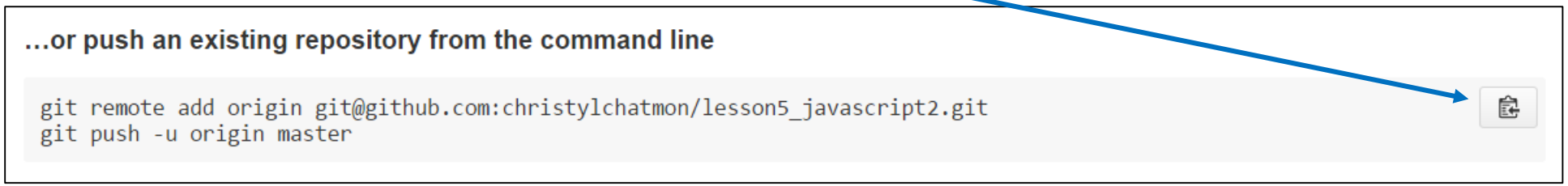


Step #5: Push (Backup) files to the Remote Repository (GitHub)

- In **GitHub**:
  - Select the **SSH** button in the new remote repository



  - Copy each statement in **"…or push an existing repository…"** section or just click the copy button



Step #5: Push (Backup) files to the Remote Repository (GitHub)

- In **Cloud9**:
  - **Paste** ***(DO NOT TYPE IT)*** the commands that were copied in the previous step in the **Cloud9** **Terminal** to **PUSH** (or copy) the code to your remote repository in **GitHub** by typing the following commands:

COMMANDS TO ENTER OR PASTE IN Cloud9 TERMINAL: ***(Type commands after the '$')***

$ git remote add origin git@github.com:YOUR-USERNAME/PROJECT-TITLE.git

$ git push -u origin master

<press enter>

Step #5: Push (Backup) files to the Remote Repository (GitHub)

****EXAMPLE OUTPUT****

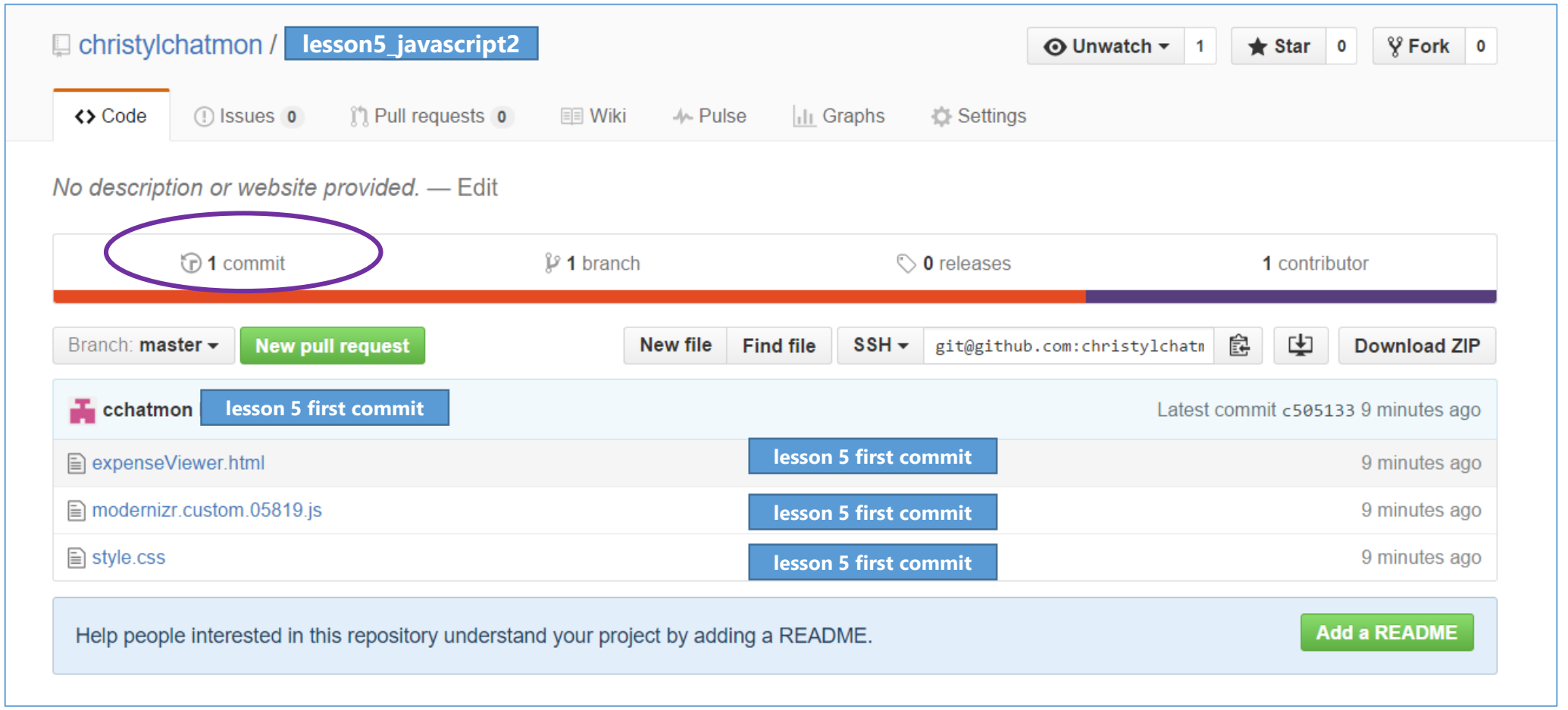
HINT: Your statement may look slightly different!!
You should see the last statement indicating that the branch is set up!

Statements from the previous step:

```
cchatmon:~/workspace $ git init
Initialized empty Git repository in /home/ubuntu/workspace/.git/
cchatmon:~/workspace (master) $ git add .
cchatmon:~/workspace (master) $ git commit -m 'lesson 4 first commit'
[master (root-commit) c505133] lesson 4 first commit
 3 files changed, 833 insertions(+)
 create mode 100644 expenseViewer.html
 create mode 100644 modernizr.custom.05819.js
 create mode 100644 style.css
cchatmon:~/workspace (master) $ git remote add origin git@github.com:christylchatmon/lesson4_javascript1.git
cchatmon:~/workspace (master) $ git push -u origin master
Warning: Permanently added 'github.com,192.30.252.129' (RSA) to the list of known hosts.
Counting objects: 5, done.
Delta compression using up to 8 threads.
Compressing objects: 100% (5/5), done.
Writing objects: 100% (5/5), 8.64 KiB | 0 bytes/s, done.
Total 5 (delta 0), reused 0 (delta 0)
To git@github.com:christylchatmon/lesson4_javascript1.git
 * [new branch]      master -> master
Branch master set up to track remote branch master from origin.
```

Step #6: Verify!
New Remote Repository (GitHub) contains Files from Local Repository (Cloud9)

Go back to GitHub and refresh the browser to view the newly 'PUSHED' files!



Congratulations
Way to go!