

S2 = Java with Bryan

DT228(TU856)/DT282(TU858) - 2





Lab4 Solution

Read the error messages!

- git push does not work
 - What is git pushing to? Have a look with

```
$ git remote -v
```

```
origin https://github.com/Student/OOP2020-21.git (fetch)
origin https://github.com/Student/OOP2020-21.git (push)
upstreamhttps://github.com/BiancaSP/OOP2020-21.git (fetch)
upstreamhttps://github.com/BiancaSP/OOP2020-21.git (push)
```

- Typo?
- Only one of them showing up?
- Both locations the same?

```
$ git remote set-url origin https://github.com/TheBianca/OOP2020-21.git
```

Did I make a change or not?

```
git diff lab4:Labs/lab4 word cloud.py master:Labs/lab4 word cloud.py
diff --git a/Labs/lab4 word cloud.py b/Labs/lab4 word cloud.py
index e116445..d6aeed6 100644
--- a/Labs/lab4 word cloud.py
+++ b/Labs/lab4 word cloud.py
@@ -13,8 +13,6 @@ class WordCloud:
         # you might like to run the following line only
         # if there wasn't a problem creating the dictionary
         self.create html(self.my dict)
        # making a change here
        print("edited for change")
     # this function creates the actual html file
     # takes a dictionary as an argument
```

 Anything new in upstream (but don't want to download yet)?

- Everything looks a mess. I tried to 'manually' fix it by deleting some files, and trying to download everything again but it's still not working
 - Start with upstream and make sure that your local repository's master branch is the same as upstream's master branch. If you are worried to lose work, create a new branch for backup

```
$ git fetch upstream
$ git checkout -b backup_branch
$ git checkout master
$ git reset --hard upstream/master
$ git merge upstream/master
```

- Then save your work that is now in the backup_branch up to your own gitHub repository \$ git push origin backup branch
- And then overwrite the master on origin

- Do I really need to copy everything to origin (aka my own copy on GitHub
 - No, but I would recommend it
 - Firstly, it's a handy backup of your work that will always be available for you to look back on, even if your computer fails
 - Then, you might like to use it as a portfolio of the skills you have acquired.

Will git ever go away and leave me alone please?

NO!

There will always be some form of version control. The principles are often the same. Push through the pain now and your future self will thank you!

Strengthen your CV by getting involved with one of the many available projects on GitHub looking for volunteer participants!

New Python Code - What to do with it??????

- Run it, see does it work (lab code should work out of the box)

 Talk to your lab tutor. You can
- Then go through the provided code
 - Read it line by line
 - Is there anything new?
 - Is there anything that surprises you and/or you really don't understand what happens here?
 - After running the original code, re-read the task for the lab. Is there anything unclear? If so, speak to me or your tutor about it!
 - Change something in the code. Run it. Does it still work? If the change broke it do you understand why? Does everything run as expected? If so, move on to solving the lab exercise.

ask for a private Teams room if you are worried about other students seeing your code or hearing your questions!

Summary

- **★** git
- **★** New Code
- **★** Solution walk through



References

- Python Documentation: Dictionary, <u>https://docs.python.org/3/tutorial/datastructures.html?highlight=dictionary#dictionary#dictionaries</u>, accessed Oct 2020.
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