

TU856/858-2 Object Oriented Programming with Python
Week 1 - Tutorial
Dr. Bianca Schoen-Phelan

```
1:$ mkdir Project1.1
```

```
2:$ cd Project1.1
```

```
3:$ vi hello_world.py
```

```
4:$ git init
```

Initialized empty Git repository in
/Users/bianca.schoenphelan/Documents/gitExamples/Project1.1/.git/

```
5:$ cat hello_world.py
```

```
print('Hello world')
```

```
6:$ git add hello_world.py
```

```
7:$ git commit -m "Original File"
```

```
[master (root-commit) a40d52d] Original File
```

```
Committer: Bianca SchoenPhelan
```

```
<bianca.schoenphelan@soc-mbp13-bsp.lan>
```

Your name and email address were configured automatically based
on your username and hostname. Please check that they are
accurate.

You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to
edit

your configuration file:

```
git config --global --edit
```

After doing this, you may fix the identity used for this commit
with:

```
git commit --amend --reset-author
```

```
1 file changed, 2 insertions(+)
```

```
create mode 100644 hello_world.py
```

```
8:$ git remote add origin https://github.com/BiancaSP/Project1.1.git
```

```
9:$ git push -u origin master
```

```
Enumerating objects: 3, done.
```

```
Counting objects: 100% (3/3), done.
```

```
Writing objects: 100% (3/3), 260 bytes | 260.00 KiB/s, done.
```

```
Total 3 (delta 0), reused 0 (delta 0)
```

```
To https://github.com/BiancaSP/Project1.1.git
```

```
* [new branch]      master -> master
```

Branch 'master' set up to track remote branch 'master' from
'origin'.

```
10:$ git status
```

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On branch master

Your branch is up to date with 'origin/master'.

nothing to commit, working tree clean

```
11:$ git log --oneline
```

```
a40d52d (HEAD -> master, origin/master) Original File
```

```
12:$ git checkout -b feature_1
```

```
Switched to a new branch 'feature_1'
```

```
13:$ git push origin feature_1
```

```
Total 0 (delta 0), reused 0 (delta 0)
```

```
remote:
```

```
remote: Create a pull request for 'feature_1' on GitHub by  
visiting:
```

```
remote:
```

```
https://github.com/BiancaSP/Project1.1/pull/new/feature\_1
```

```
remote:
```

```
To https://github.com/BiancaSP/Project1.1.git
```

```
* [new branch]      feature_1 -> feature_1
```

```
14:$ git status
```

```
On branch feature_1
```

```
nothing to commit, working tree clean
```

```
15:$ vi hello_world.py
```

```
16:$ git status
```

```
On branch feature_1
```

```
Changes not staged for commit:
```

```
    (use "git add <file>..." to update what will be committed)
```

```
    (use "git checkout -- <file>..." to discard changes in working  
directory)
```

```
    modified:   hello_world.py
```

```
no changes added to commit (use "git add" and/or "git commit -a")
```

```
17:$ git add hello_world.py
```

```
18:$ git commit -m "My first remote change"
```

```
[feature_1 fe595fa] My first remote change
```

```
Committer: Bianca SchoenPhelan
```

```
<bianca.schoenphelan@soc-mpbl3-bsp.lan>
```

```
Your name and email address were configured automatically based  
on your username and hostname. Please check that they are  
accurate.
```

```
You can suppress this message by setting them explicitly. Run the  
following command and follow the instructions in your editor to  
edit
```

```
your configuration file:
```

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```
git config --global --edit
```

After doing this, you may fix the identity used for this commit with:

```
git commit --amend --reset-author
```

```
1 file changed, 1 insertion(+)
```

```
19:$ git push
```

```
fatal: The current branch feature_1 has no upstream branch.  
To push the current branch and set the remote as upstream, use
```

```
git push --set-upstream origin feature_1
```

```
20:$ git push --set-upstream origin feature_1
```

```
Enumerating objects: 5, done.  
Counting objects: 100% (5/5), done.  
Delta compression using up to 4 threads  
Compressing objects: 100% (2/2), done.  
Writing objects: 100% (3/3), 323 bytes | 323.00 KiB/s, done.  
Total 3 (delta 0), reused 0 (delta 0)  
To https://github.com/BiancaSP/Project1.1.git  
a40d52d..fe595fa feature_1 -> feature_1  
Branch 'feature_1' set up to track remote branch 'feature_1' from  
'origin'.
```

```
21:$ cat hello_world.py
```

```
print('Hello world')  
print('My first remote change')
```

```
22:$ git status
```

```
On branch feature_1  
Your branch is up to date with 'origin/feature_1'.
```

```
nothing to commit, working tree clean
```

```
23:$ git pull
```

```
remote: Enumerating objects: 5, done.  
remote: Counting objects: 100% (5/5), done.  
remote: Compressing objects: 100% (2/2), done.  
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0  
Unpacking objects: 100% (3/3), done.  
From https://github.com/BiancaSP/Project1.1  
fe595fa..8f070e3 feature_1 -> origin/feature_1  
Updating fe595fa..8f070e3  
Fast-forward  
hello_world.py | 1 +
```

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```
1 file changed, 1 insertion(+)
```

```
24:$ cat hello_world.py
```

```
print('Hello world')
print('My first remote change')
print('hello this is from the github editor')
```

```
25:$ git checkout master
```

```
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
```

```
26:$ git branch
```

```
feature_1
* master
```

```
27:$ cat hello_world.py
```

```
print('Hello world')
```

```
28:$ git merge feature_1
```

```
Updating a40d52d..8f070e3
Fast-forward
 hello_world.py | 2 ++
 1 file changed, 2 insertions(+)
```

```
29:$ cat hello_world.py
```

```
print('Hello world')
print('My first remote change')
print('hello this is from the github editor')
```

```
30:$ git branch -d feature_1
```

```
Deleted branch feature_1 (was 8f070e3).
```

```
31:$ git branch
```

```
* master
```

```
32:$ git push origin --delete feature_1
```

```
To https://github.com/BiancaSP/Project1.1.git
- [deleted]          feature_1
```

```
33:$ git push -u
```

```
Enumerating objects: 8, done.
Counting objects: 100% (8/8), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (6/6), 984 bytes | 984.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0)
To https://github.com/BiancaSP/Project1.1.git
 5a04158..e0f2a41 master -> master
Branch 'master' set up to track remote branch 'master' from
'origin'.
```