



UBC DSCI 522

Lecture 3 & 4 Lab

Eric Lee
Dept. Molecular Oncology, BC Cancer

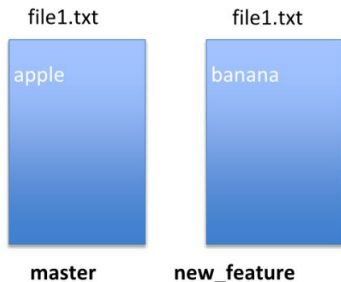




Objectives

1. Understand concept of merges
2. Practice merging and resolving conflicts

Reminder: How to sort out merges



```
Venkats-MBP:learning_git Venkat$ git merge example_branch
Updating cc5e51a..4798a26
Fast-forward
 status.txt | 1 +
 1 file changed, 1 insertion(+)
```

Git will notate the conflict in the files!

```
<<<<<< HEAD
File to be not changed.
=====
File to be changed.
>>>>>> new_feature
```

Solutions:

1. Abort the merge using `git merge --abort`
2. Manually fix the conflict



Your set of group tasks

- There will be three/four set of tasks in this activity.
- Designate each member as player A, B, C, (or D).
- **Have one member FORK** the repo:
<https://github.com/ericlee0920/DSCI-522-Teaching-Activity>
- Go to settings and **ADD** your group members to the forked repo.



Task 1. Bar pushed

Group of 4

Player A	Player B	Player C	Player D
Open bar.py Write <pre>name = "SAM" bar = 0 for i in name: bar += ord(i) print(bar)</pre> Commit & Push	Open foo.py Write <pre>foo = list(map(lambda a, b: a*b, [1, 0], [0, 1])) print(foo)</pre>	Prepare the comments for bar.py	Prepare the comments for foo.py

Group of 3

Player A	Player B	Player C
Open bar.py Write <pre>name = "SAM" bar = 0 for i in name: bar += ord(i) print(bar)</pre> Commit & Push	Open foo.py Write <pre>foo = list(map(lambda a, b: a*b, [1, 0], [0, 1])) print(foo)</pre>	Prepare the comments for bar.py



Task 2. Foo barred

Group of 4

Player A	Player B	Player C	Player D
	Commit & Push	Pull Write the comments in bar.py Commit & Push	Pull Write the comments in foo.py Commit & Push

Group of 3

Player A	Player B	Player C
	Commit & Push	Pull Write the comments in bar.py Commit & Push



Conflict!

What is the conflict?

Resolve the conflict as a team and resolve:

Goal: bar.py (and foo.py) with comments.



Task 3. Barred again

Group of 4

Player A	Player B	Player C	Player D
Pull Open bar.py Change name to your name Commit & Push			Pull Open bar.py Change name to your name Commit & Push

Group of 3

Player A	Player B	Player C
Pull Open bar.py Change name to your name Commit & Push	Pull Open bar.py Change name to your name Commit & Push	



Conflict!

What is the type of conflict?

Resolve the conflict as a team and resolve.

Goal: bar.py with an agreed ONE single new name.