

How to: Bitbucket Essential Commands

To commit your recent changes it is necessary to complete the following three steps:

1. `git add (file1).py (file2).py (file3).txt`

You have to navigate into the directory containing the files you would like to add. You can also use `git add *` command to add all of the files inside the directory you are currently in.

2. `git status` (make sure the files you want are added in correctly)
3. `git commit -m "(your commit message)"`
4. `git push -u origin master` (after the first push, you can just type **`git push`**)

If you are adding multiple new files from different subdirectories you may use:

1. `git add -A` (or `git add --all`) (from the top repository directory)
2. `git commit -m "describe committed materials"`
3. `git push origin master` (after the first push, you can just type **`git push`**)

To get recent changes:

1. `git pull` (or `git pull origin master`)
2. If you have a merge conflict type:
 - a. `git stash`
 - b. `git pull origin master`
 - c. IMPORTANT: check the code that was pulled (it will be in the git pull log) in a text editor and make sure that it is not a better (more recent version) than your own code
 - d. If your code is more recent run: `git stash apply`
 - i. If merge conflicts still appear, they need to be fixed manually by modifying the file that is causing the conflict
 - e. If it is not, you can run `git stash drop`

When you don't know what you're doing or something goes wrong or just for fun do this:

`git status`

Non-Essential Commands:

<code>git rm --cached fileName.py</code>	this will remove a file from your git repository
<code>git stash</code>	saves changes in the local
<code>git merge</code>	merges branches of a directory (use this if conflicts exist)
<code>git status</code>	shows current changes that you have made using git ex: any files that have been added
<code>git reset</code>	undo any git actions that have been made including commits or adds but not pushes