1 Useful commands

- `git clone dumbo:/storage/common/SIM-git/`
  clones master (master is at dumbo).
- `git fetch -all`
  search for information about branches
- `git branch-l`
  Lists branches. With optional <pattern>..., e.g. git branch –list 'maint-*', list only the branches that match the pattern(s).
- `git branch-a`
  use this to see all the branches
- `git checkout branchY`
  use this to go branchY.
- `git remote-v`
- `git commit -am 'message'`
  don't do this with master
- `git push`
- `git pull`
- `git add /path/fichier`
  add a file
- `git checkout -b branchY`
- `git push -u origin branchY`
  use this only for the first time

Other important git commands
- git status
- git add README.MD : Include changes, information about your project, etc.
- git help
- git add GIT-HELP : Include changes
- git status Check status : untrack vs tracked file and ready to commit
- git commit -m "Help file created to set up a clone" : Required b4 pushing
- git status
- git push origin master : Include changs to masters on github

error : You have local changes to '.gitignore'; cannot switch branches. Common error when switching from branchY to master : **local changes would be overwritten by checkout**. Use forcing `git checkout -f branch`. This will destroy local changes in order to keep them use `git stash`.

2 Github : new branch

git clone Key
Where thekey is obtained from the git-hub website under SIM to the right
Instructions :
Go to "your repositories"
Go to "Your organization"
Click on SIM
Below the purple bar, on the far right click "Clone of Download"
Make sure you are on SSH and not on HTTPS

– **If you do not have a ssh Key**
Generate key.
Instruction :
go to your home directory where you want your model.
`ssh-keygen -t rsa`
`more .ssh/id_rsa.pub`
Copy the key from your termial.

Paste it in the git-hub web site "add public key"
Go back to your terminal on your home machine.
Then git clone git@github.com :McGill-sea-ice/SIM.git

—— CREATE NEW BRANCH and PULL REQUEST ————————————

create new branch 'newB' on github.
git clone git@github.com :McGill-sea-ice/SIM.git
git checkout newB
make modifications...
git add ...
git commit -m "message"
git push origin newB
pull request on github