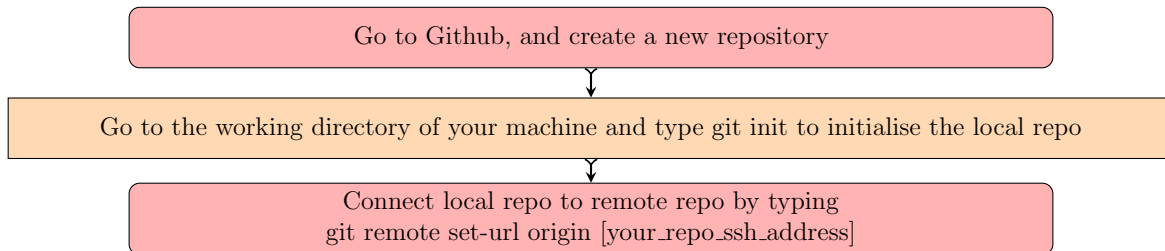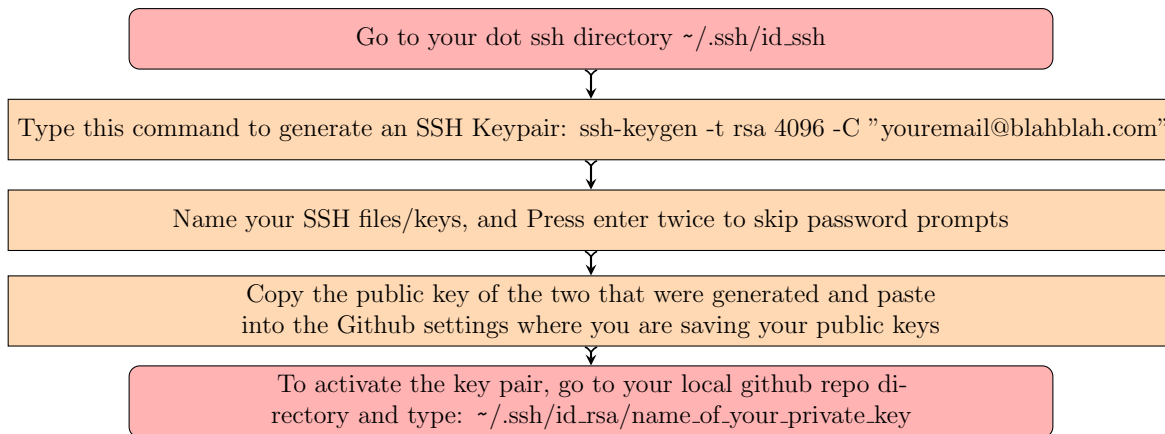# Github - Procedures

The purpose of this document is provide guidance for basic github usage: pushing code onto a remote repo efficiently on Linux based system predominantly from the command line.

Creating Local Repository and Connecting to Remote Repository

Go to Github, and create a new repository

Go to the working directory of your machine and type git init to initialise the local repo

Connect local repo to remote repo by typing
git remote set-url origin [your_repo_ssh_address]

Creating SSH Keys for Authentication Protocol

Go to your dot ssh directory ~/.ssh/id_ssh

Type this command to generate an SSH Keypair: ssh-keygen -t rsa 4096 -C "youremail@blahblah.com"

Name your SSH files/keys, and Press enter twice to skip password prompts

Copy the public key of the two that were generated and paste
into the Github settings where you are saving your public keys

To activate the key pair, go to your local github repo di-
rectory and type: ~/.ssh/id_rsa/name_of_your_private_key

Pulling Repo Latest Revision then Commiting and Pushing Changes

Pull your most recent code/scripts from the repo by typing: git pull origin main

Make ammendments to your work and save it locally

To queue up ALL changes to upload, type: git add .

To commit the changes, type: git commit -m, "add some comments here"

To push the committed changes onto the
main branch, type: "git push origin main"