1. Create repository on <https://github.com>
2. Navigate to directory to store repo locally and Clone via commandline - git clone <urladdress copied from github page> eg <https://github.com/tessamarelic/Hello_Test.git>
3. To check status – git status or git status -s to show short version of files. To see what you’ve changed but not yet staged. – git diff
4. To add docs to staging process, when any changes done – git add <filename>  
   or to remove changes from local file – git checkout <filename>

Rules for patterns are:  
Blank lines or lines starting with # are ignored.

* Standard glob patterns work, and will be applied recursively throughout the entire working tree.
* You can start patterns with a forward slash (/) to avoid recursivity.
* You can end patterns with a forward slash (/) to specify a directory.

You can negate a pattern by starting it with an exclamation point (!).  
  
eg:  
  
# ignore all .a files

\*.a

# but do track lib.a, even though you're ignoring .a files above

!lib.a

# only ignore the TODO file in the current directory, not subdir/TODO

/TODO

# ignore all files in any directory named build

build/

# ignore doc/notes.txt, but not doc/server/arch.txt

doc/\*.txt

# ignore all .pdf files in the doc/ directory and any of its subdirectories

doc/\*\*/\*.pdf

1. To remove a file from staging so it’s not included in comits   
   git –cached <filename>
2. To remove a file – remove from local directory then git rm <filename>
3. Committing changes  
   git commit -m “message to include”  
   or if haven’t staged (used add <filename> use git commit -a -m “message”
4. Rename File:  
   git mv file\_from file\_to
5. Git log to see all history of commits

**Branching:**

1. git branch testing – creates new branch
2. To switch to it – git checkout testing
3. To create new branch and switch – git checkout -b iss53
4. Run your tests and if branch code works then merge to master using  
   git checkout master  
   git merge iss53  
   change is now in snapshot of commit pointed to by master branch.