Assignment 2 – Kevin Kakolla for Github

1.

Can revert files to a previous state  
●  
Can compare changes over time  
●  
Can see who modified something last  
●  
Can recover lost files

2.

Centralized Version Control System(CVCS) stores single copy of code in centralized storage whereas in Distributed Version Control System(DVCS), each developer keep its own copy/clone of source code along with metadata of original. In CVCS, there is single point of failure if centralize storage corrupts or goes down, there is no way to retrieve the copy. In DVCS, there is not single point of failure and if one copy gets destroyed, developer can clone on another machine using original repository along with metadata.

3.  c. committed,modified, staged

4. git init

5. C, what's been committed and working directory

6. git commit -m "initial change"

7. git remote

8. git pull retrieves all the files and merges with local changes

git fetch just retrieves all the files without merge

9. git checkout to change branch

10. commit message gives context/details about the code change in those committed files for future self and other developers. Also, commit message can convey the high level implementation of task without going through whole code change

11.

merge into below

df.loc[(df['sex'] == 'f') | (df['sex'] == 'm'), 'age'].mean()