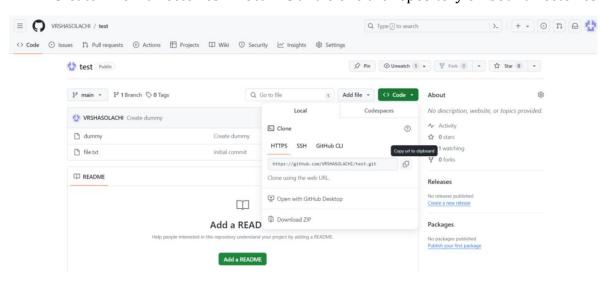
Git/Vim Assignments Module -1

Assignment 1:

1. Commit a repository with a single file change.

2. Create 2 new directories in local PC and clone the repository on both directories.



```
MINGW64:/c/Users/Admin/Desktop/GIT DEMO FILES/dir3
  dmin@HP MINGW64 ~/Desktop/GIT DEMO FILES (master)
$ mkdir dir1
$ cd dir1
Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES/dir1 (master)
$ echo "hello world" >> file.txt
Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES/dir1 (master)
$ git config --global -1
user.email=vrshasolachi@gmail.com
user.name=Vrsha
  dmin@HP MINGW64 ~/Desktop/GIT DEMO FILES/dir1 (master)
$ git init
Initialized empty Git repository in C:/Users/Admin/Desktop/GIT DEMO FILES/dir1/.git/
  Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES/dir1 (master)
$ git add .
warning: in the working copy of 'file.txt', LF will be replaced by CRLF the next time Git touches it
Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES/dir1 (master)
$ git commit -m "initial commit"
[master (root-commit) b125418] initial commit
1 file changed, 1 insertion(+)
create mode 100644 file.txt
  dmin@HP MINGW64 ~/Desktop/GIT DEMO FILES/dir1 (master)
$ git status
On branch master
 nothing to commit, working tree clean
        @HP MINGW64 ~/Desktop/GIT DEMO FILES/dir1 (master)
$ mkdir dir2 dir2
 nkdir: cannot create directory 'dir2': File exists
  Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES/dir1 (master)
$ cd ..
  Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES (master)
$ mkdir dir2 dir3
  Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES (master)
$ cd dir2
Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES/dir2 (master)
$ git clone https://github.com/VRSHASOLACHI/test.git
Cloning into 'test'...
remote: Enumerating objects: 6, done.
remote: Counting objects: 100% (6/6), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 6 (delta 0), reused 3 (delta 0), pack-reused 0
Receiving objects: 100% (6/6), done.
```

```
Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES/dir2 (master)
$ cd ..

Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES (master)
$ cd dir3

Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES/dir3 (master)
$ git clone https://github.com/VRSHASOLACHI/test.git
Cloning into 'test'...
remote: Enumerating objects: 6, done.
remote: Counting objects: 100% (6/6), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 6 (delta 0), reused 3 (delta 0), pack-reused 0
Receiving objects: 100% (6/6), done.
```

3. Make changes in one of the directories and commit and merge the changes.

MINGW64:/c/Users/Admin/Desktop/GIT DEMO FILES

```
Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES (feature-a)
$ git checkout master
Switched to branch 'master'
D
       demo1.txt
Your branch is up to date with 'origin/master'.
Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES (master)
$ git checkout -b feature-b
Switched to a new branch 'feature-b'
Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES (feature-b)
$ git checkout master
Switched to branch 'master'
D
        demo1.txt
Your branch is up to date with 'origin/master'.
Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES (master)
$ git branch
  feature-a
  feature-b
  master
Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES (master)
$ git merge feature-a
Already up to date.
Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES (master)
$ git merge feature-b
Already up to date.
Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES (master)
$ git checkout feature-a
Switched to branch 'feature-a'
        demo1.txt
Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES (feature-a)
$ mkdir dir1
Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES (feature-a) $ echo "This file is at feature-a" >> a.txt
Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES (feature-a)
$ git checkout feature-b
Switched to branch 'feature-b'
D
        demo1.txt
Α
        dir1
Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES (feature-b)
$ echo "This file is at feature-b" >> b.txt
Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES (feature-b)
$ git checkout -b feature-c
Switched to a new branch 'feature-c'
Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES (feature-c)
$ git checkout master
Switched to branch 'master'
```

```
Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES (feature-c)
$ git checkout master
Switched to branch 'master'
         demo1.txt
        dir1
Your branch is up to date with 'origin/master'.
Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES (master)
warning: in the working copy of 'a.txt', LF will be replaced by CRLF the next ti
me Git touches it
warning: in the working copy of 'b.txt', LF will be replaced by CRLF the next ti
me Git touches it
Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES (master)
$ git add .
warning: in the working copy of 'b.txt', LF will be replaced by CRLF the next ti
me Git touches it
Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES (master)

$ git commit -m "added now"
[master 79a0051] added now
4 files changed, 3 insertions(+), 1 deletion(-) create mode 100644 a.txt create mode 100644 b.txt
 delete mode 100644 demo1.txt
 create mode 160000 dir1
```

3. Parallelly make a change in the same file in another directory and when the changes are pushed, there should be merge conflict noticed which should be resolved and pushed changes again.

```
Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES (master)
$ git checkout feature-c
Switched to branch 'feature-c'
 Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES (feature-c)
$ git add .
warning: in the working copy of 'b.txt', LF will be replaced by CRLF the next ti
me Git touches it
Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES (feature-c)
$ git commit -m "added here as well"
[feature-c 7822e30] added here as well
1 file changed, 1 insertion(+)
create mode 100644 b.txt
 Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES (feature-c)
$ git checout master
git: 'checout' is not a git command. See 'git --help'.
The most similar command is
          checkout
Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES (feature-c)
$ git checkout master
Switched to branch 'master'
Your branch is ahead of 'origin/master' by 1 commit.
(use "git push" to publish your local commits)
 \dmin@HP MINGW64 ~/Desktop/GIT DEMO FILES (master)
```

MINGW64:/c/Users/Admin/Desktop/GIT DEMO FILES

```
warning: in the working copy of 'b.txt', LF will be replaced by CRLF the next ti
me Git touches it
Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES (feature-c) $ git commit -m "added here as well"
[feature-c 7822e30] added here as well
 1 file changed, 1 insertion(+)
 create mode 100644 b.txt
Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES (feature-c)
$ git checout master
git: 'checout' is not a git command. See 'git --help'.
The most similar command is
            checkout
Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES (feature-c) $ git checkout master
Switched to branch 'master'
Your branch is ahead of 'origin/master' by 1 commit.

(use "git push" to publish your local commits)
Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES (master)
$ git push -u origin master
Enumerating objects: 5, done.

Counting objects: 100% (5/5), done.

Delta compression using up to 8 threads

Compressing objects: 100% (2/2), done.

Writing objects: 100% (4/4), 358 bytes | 358.00 KiB/s, done.

Total 4 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)

To https://github.com/VRSHASOLACHI/DEMO1
    bd4620a..79a0051 master -> master
branch 'master' set up to track 'origin/master'.
Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES (master)
$ git merge feature-c
Auto-merging b.txt
CONFLICT (add/add): Merge conflict in b.txt
Automatic merge failed; fix conflicts and then commit the result.
```

```
MINGW64:/c/Users/Admin/Desktop/GIT DEMO FILES
Merge branch 'feature-c'
# Conflicts:
       b.txt
 It looks like you may be committing a merge. If this is not correct, please run
       git update-ref -d MERGE_HEAD
 and try again.
# Please enter the commit message for your changes. Lines starting
 with '#' will be ignored, and an empty message aborts the commit.
# On branch master
 Your branch is up to date with 'origin/master'.
# All conflicts fixed but you are still merging.
#
 Changes to be committed:
       modified:
                     b.txt
.git/COMMIT_EDITMSG [unix] (09:31 07/06/2024)
~/Deskton/GTT_DEMO_ETLES/_git/COMMTT_EDITMSG"_[unix]_22L__491B
```

4. Merge the changes

```
Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES (master)
$ git merge feature-c
Auto-merging b.txt
CONFLICT (add/add): Merge conflict in b.txt
Automatic merge failed; fix conflicts and then commit the result.

Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES (master|MERGING)
$ git add .
warning: in the working copy of 'b.txt', LF will be replaced by CRLF the next ti
me Git touches it

Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES (master|MERGING)
$ git commit
[master 617449f] Merge branch 'feature-c'

Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES (master)
$ git log --oneline
617449f (HEAD -> master) Merge branch 'feature-c'
7822e30 (feature-c) added here as well
79a0051 (origin/master) added now
bd4620a (feature-b, feature-a) first commit

Admin@HP MINGW64 ~/Desktop/GIT DEMO FILES (master)
```

Assignment 2:

Create a story.txt file using below lines, save and quit the file

The quick brown fox jumps over the lazy dog.

The quick brown fox is fast and clever.

Lazy dogs often lie in the sun all day.

The dog chased the fox through the field.

A quick fox can outsmart a lazy dog.

Dogs are loyal and friendly animals.

Foxes are cunning and quick in nature.

The field was green and full of life.

The fox found food in the field.

Dogs and foxes rarely become friends.

Open story.txt file and do the following,

1. Replace fox with wolf, save and quit the file. Open and see if the changes get reflected.

```
1 The quick brown fox jumps over the lazy dog.
2 The quick brown fox is fast and clever.
3 Lazy dogs often lie in the sun all day.
4 The dog chased the fox through the field.
5 A quick fox can outsmart a lazy dog.
6 Dogs are loyal nd friendly animals.
7 Foxes are cunning and quick in nature.
8 The field was green and full of life.
9 The fox found food in the field.
10 Dogs and foxes rarely becomes friends.
```

```
1 The quick brown wolf jumps over the lazy dog.
2 The quick brown wolf is fast and clever.
3 Lazy dogs often lie in the sun all day.
4 The dog chased the wolf through the field.
5 A quick wolf can outsmart a lazy dog.
6 Dogs are loyal nd friendly animals.
7 Foxes are cunning and quick in nature.
8 The field was green and full of life.
9 The wolf found food in the field.
10 Dogs and wolfes rarely becomes friends.
```

```
1 The quick brown wolf jumps over the lazy dog.
2 The quick brown wolf is fast and clever.
3 Lazy dogs often lie in the sun all day.
4 The dog chased the wolf through the field.
5 A quick wolf can outsmart a lazy dog.
6 Dogs are loyal nd friendly animals.
7 Foxes are cunning and quick in nature.
8 The field was green and full of life.
9 The wolf found food in the field.
10 Dogs and wolfes rarely becomes friends.
```

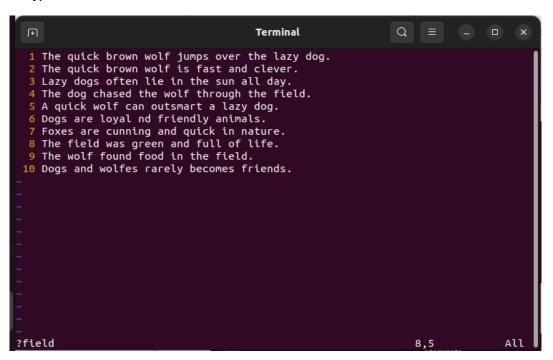
2. Search for string "field" in the file and move to next and prev occurrence of the string.

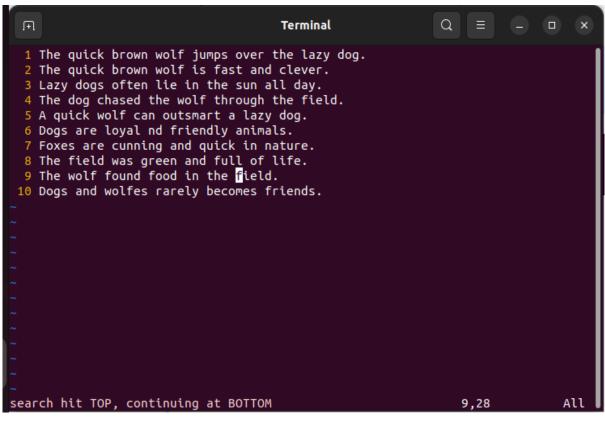
Move to next occurrence:

n

Move to previous occurrence:

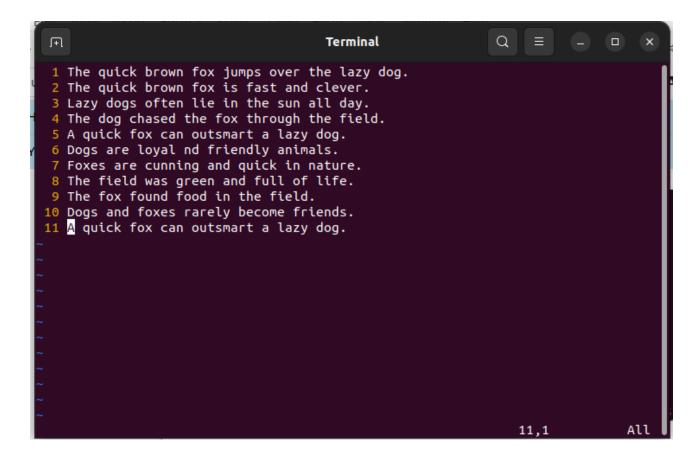
N





3. Copy the entire line "A quick fox can outsmart a lazy dog" and paste at the end of file and save it.

yy, G, P



4. Replace all the vowels with letter "x" in the file.

:%s/[aeiou]/x/g

