Git 3: use of gitdiff

If lets say you have put a file in the staging area and later you made some changes to the file by mistake..now how figure what changes you have made?

vi letslearn.txt

press i

hi lets learn

esc : wq

```
akshu20791gmail@ip-172-31-83-7:~/Desktop/project$ vi letslearn.txt
akshu20791gmail@ip-172-31-83-7:~/Desktop/project$ cat letslearn.txt
hi lets learn
akshu20791gmail@ip-172-31-83-7:~/Desktop/project$
```

git add .

```
File   Edit   View   Search   Terminal   Help
akshu20791gmail@ip-172-31-83-7:~/Desktop/project$ vi letslearn.txt
akshu20791gmail@ip-172-31-83-7:~/Desktop/project$ cat letslearn.txt
hi lets learn
akshu20791gmail@ip-172-31-83-7:~/Desktop/project$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        letslearn.txt

nothing added to commit but untracked files present (use "git add" to track)
akshu20791gmail@ip-172-31-83-7:~/Desktop/project$ git add .
akshu20791gmail@ip-172-31-83-7:~/Desktop/project$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   letslearn.txt
```
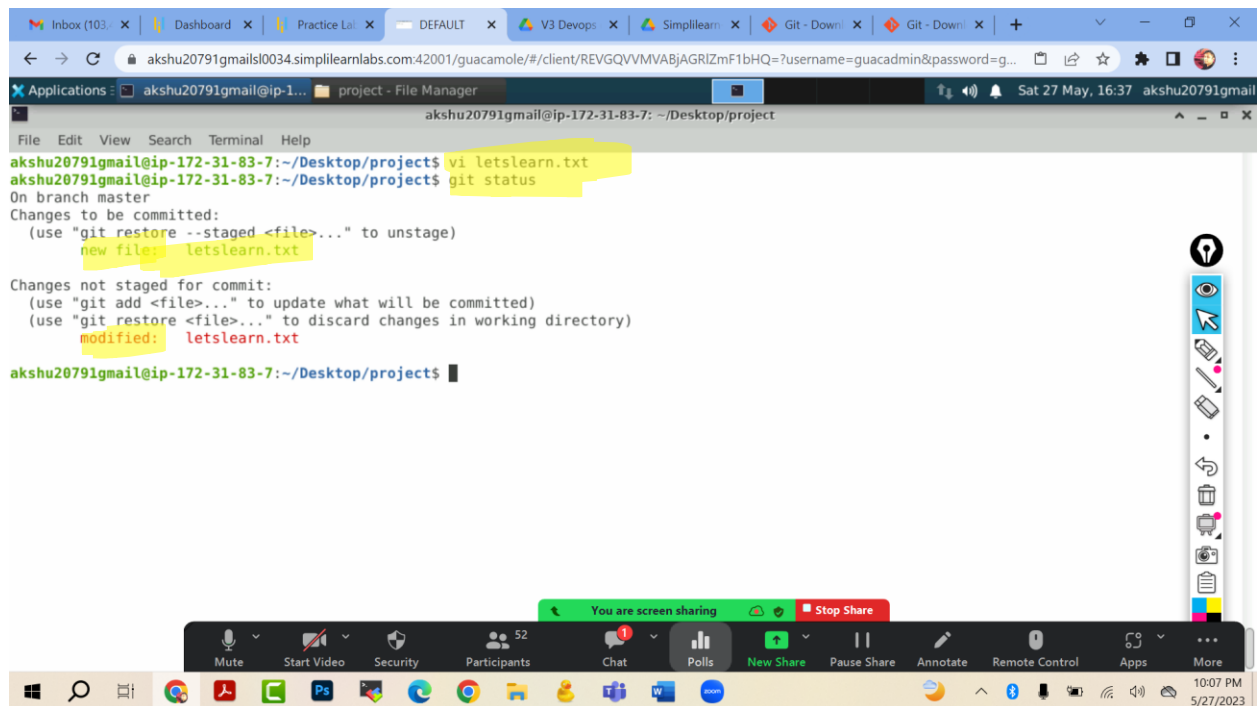
lets edit the same file letslearn.txt

vi letslearn.txt

File Edit View Search Terminal Help

```
hi lets learn
hi this is akshat
~
~
~
~
~
~
~
~
~
~
~
~
```


X Applications | akshu20791gmail@ip-1... | project - File Manager   Sat 27 May, 16:37 akshu20791gmail

akshu20791gmail@ip-172-31-83-7: ~/Desktop/project

File Edit View Search Terminal Help

```
akshu20791gmail@ip-172-31-83-7:~/Desktop/project$ vi letslearn.txt
akshu20791gmail@ip-172-31-83-7:~/Desktop/project$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   letslearn.txt

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   letslearn.txt

akshu20791gmail@ip-172-31-83-7:~/Desktop/project$
```

You are screen sharing   Stop Share

Mute   Start Video   Security   Participants   Chat   Polls   New Share   Pause Share   Annotate   Remote Control   Apps   More

to find what is the difference between file in staging area and in working directory

kshu20791gmail@ip-172-31-83-7:~/Desktop/project$ git diff letslearn.txt

Show me the
difference b/w the
files content in staging area
& working area

As we know that in the file letslearn.txt we have added hi this is akshat ...so that line is visible

```
akshu20791gmail@ip-172-31-83-7:~/Desktop/project$ git diff letslearn.txt
diff --git a/letslearn.txt b/letslearn.txt
index be140c4..12f99ae 100644
--- a/letslearn.txt
+++ b/letslearn.txt
@@ -1 +1,2 @@
 hi lets learn
+hi this is akshat
```