

GIT Fetch vs GIT Pull

GIT Fetch vs Pull

Git pull-

It will pull code from remote branch to the local branch.

We can use git pull on any branch. Example we can git pull from remote karan to local karan.

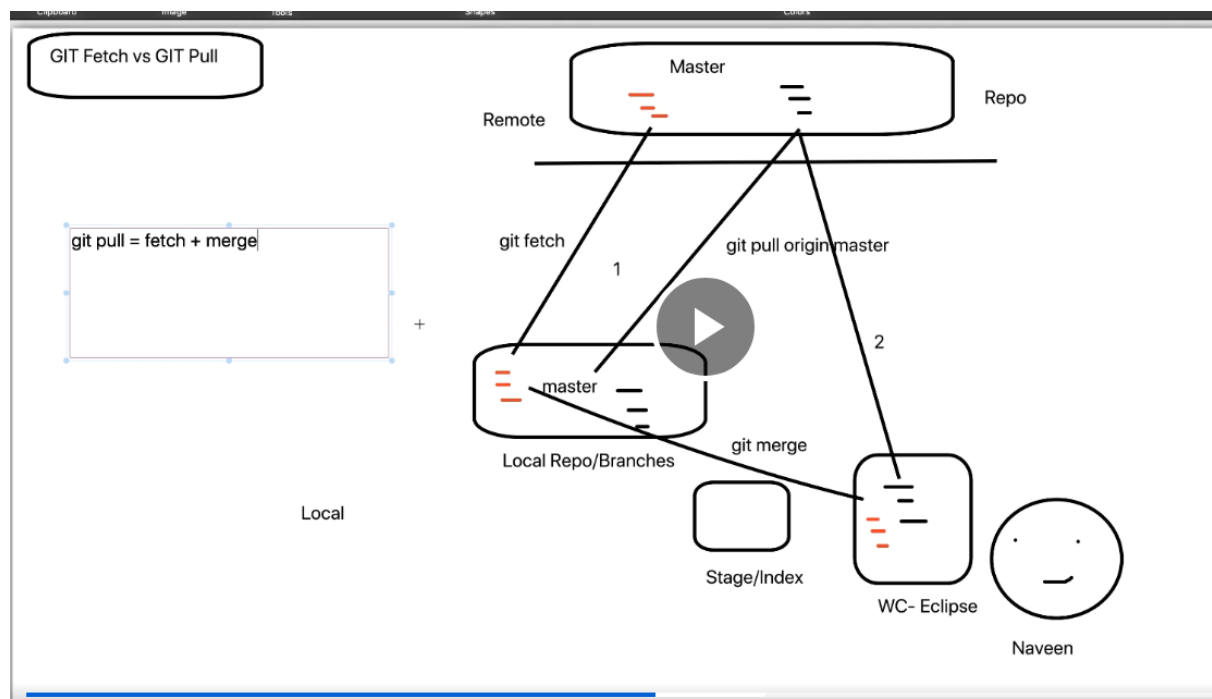
Pull will get the updated copy from remote and bring it in working copy and local repo.

Fetch-

This is same as pull. Instead of giving the updated copy to working copy, it will give the code only to the local repo.

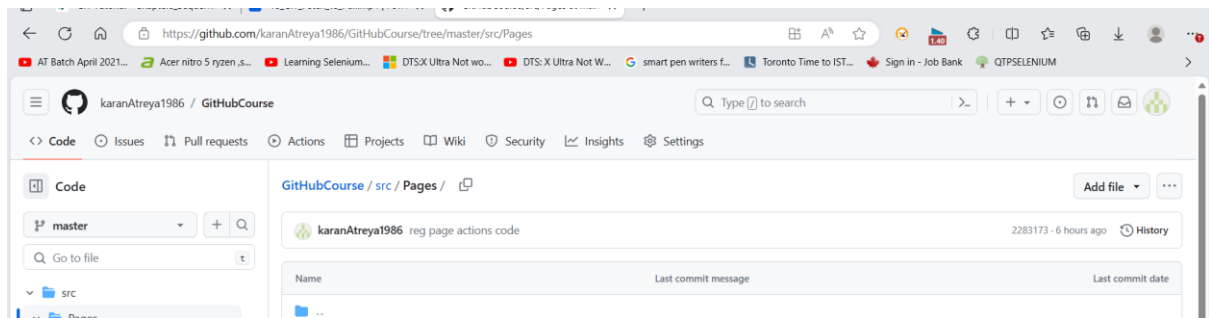
The code wont be displayed in your working copy.

To get the code in your working copy we need to use the git merge.

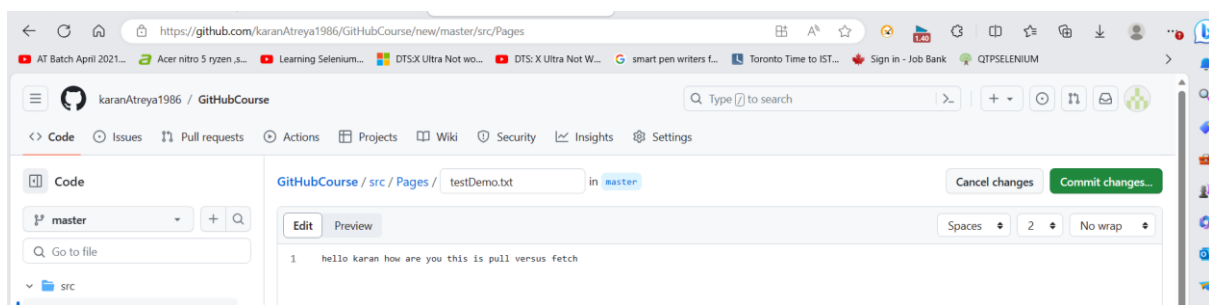


Lets see in practical-

Create file from remote.



Commit changes-



Commit changes

Commit message

Create testDemo.txt

Extended description

Add an optional extended description..

☒ Commit directly to the master branch

☐ Create a **new branch** for this commit and start a pull request

[Learn more about pull requests](#)

Cancel

Commit changes

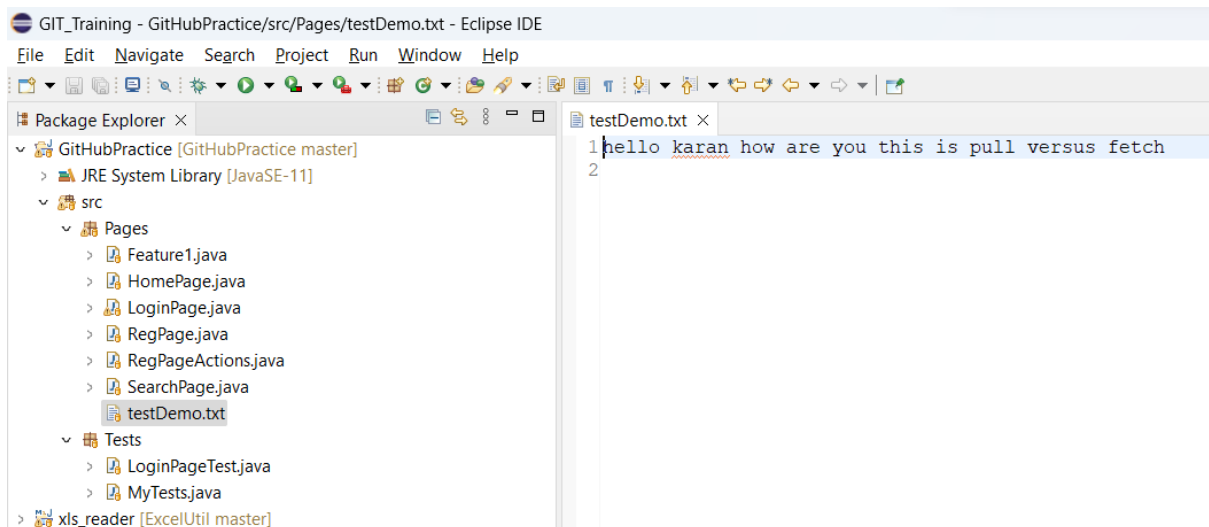
File present-

The screenshot shows the GitHub repository page for 'karanAtreya1986 / GitHubCourse'. The left sidebar shows the file tree with 'src' and 'Pages' folders. The 'Pages' folder is expanded, showing files like 'HomePage.java', 'LoginPage.java', 'RegPage.java', 'RegPageActions.java', 'SearchPage.java', 'testDemo.txt', and 'Tests'. The main content area shows the commit history for 'testDemo.txt'.

Name	Last commit message	Last commit date
..		
HomePage.java	first commit	last week
LoginPage.java	modified page classes	last week
RegPage.java	added some new files	last week
RegPageActions.java	reg page actions code	6 hours ago
SearchPage.java	modified page classes	last week
testDemo.txt	Create testDemo.txt	now

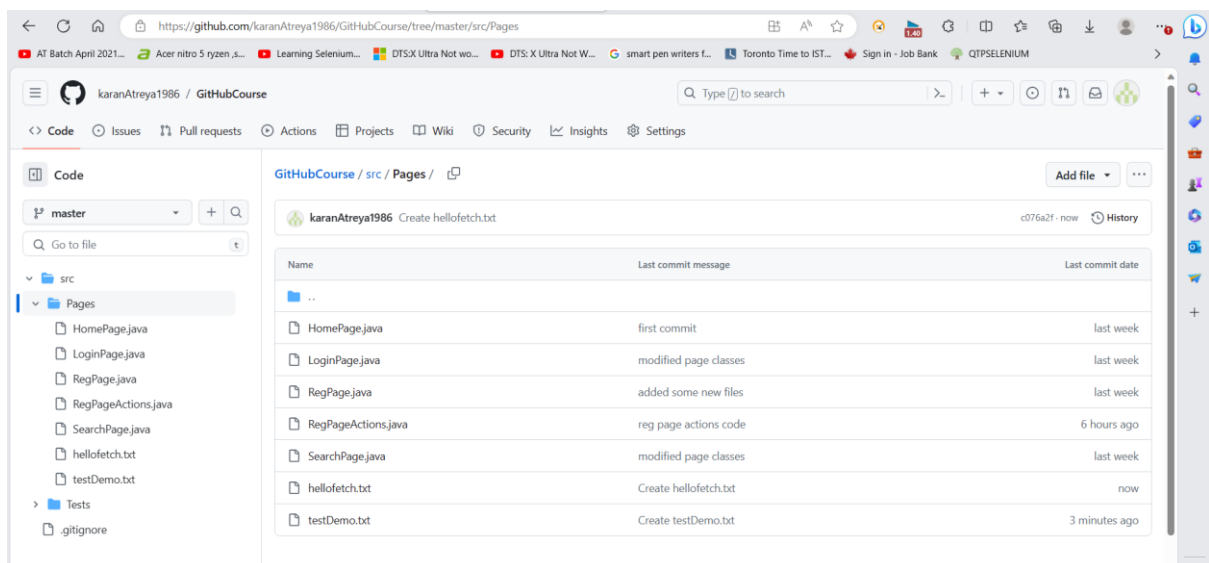
Open git bash-

We can write git pull or git pull origin master



Lets see fetch working-

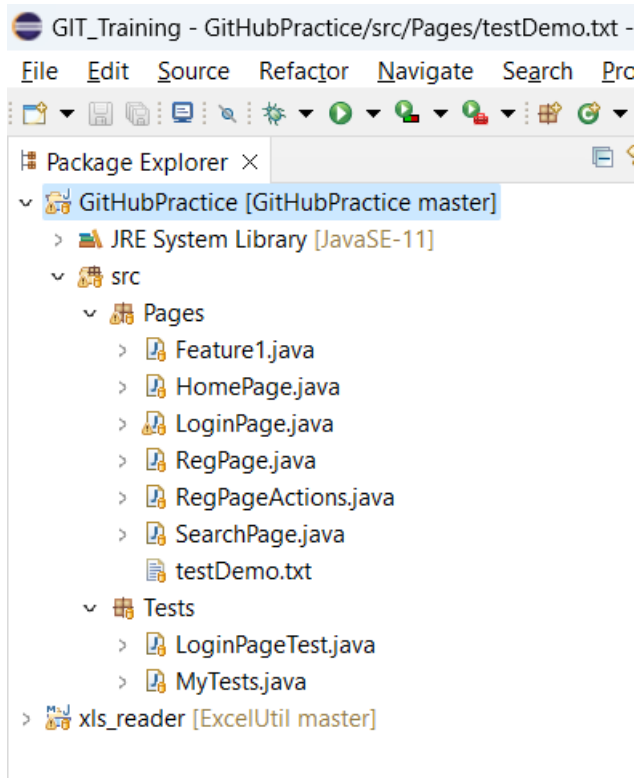
We added new file "hellofetch.txt".



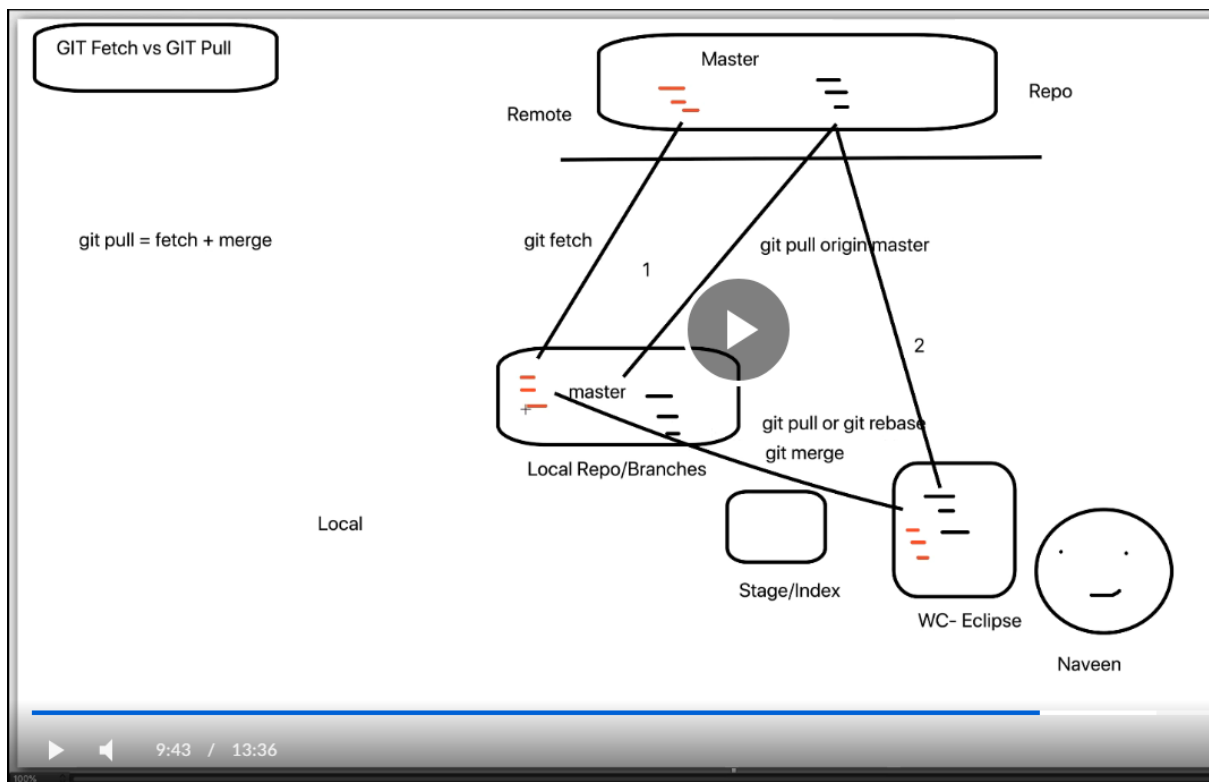
```
karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git fetch
remote: Enumerating objects: 8, done.
remote: Counting objects: 100% (8/8), done.
remote: Compressing objects: 100% (4/4), done.
remote: Total 5 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (5/5), 848 bytes | 77.00 KiB/s, done.
From https://github.com/karanAtreya1986/GitHubCourse
  2e06418..c076a2f master    -> origin/master
* [new tag]         v2.0      -> v2.0

karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$
```

Refresh ide and the file not seen-



Then to get the code into ide we use git pull or git rebase for merging purpose-



```

MINGW64:/e/Naveen_GIT_Training/GIT_Training/GitHubPractice
karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git diff master origin/master
diff --git a/src/Pages/Feature1.java b/src/Pages/Feature1.java
deleted file mode 100644
index f21caf5..0000000
--- a/src/Pages/Feature1.java
+++ /dev/null
@@ -1,13 +0,0 @@
-package Pages;

-public class Feature1 {
-
-    public static void main(String[] args) {
-        System.out.println("feature one is developed");
-
-        System.out.println("feature two is developed");
-
-        System.out.println("feature three is developed");
-    }
-}
diff --git a/src/Pages/hellofetch.txt b/src/Pages/hellofetch.txt
new file mode 100644
index 0000000..f8fef34
--- /dev/null
+++ b/src/Pages/hellofetch.txt
@@ -0,0 +1 @@
+lets check the fetch command here

karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ |

```

```

karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git pull origin master
From https://github.com/karanAtreya1986/GitHubCourse
* branch      master      -> FETCH_HEAD
Merge made by the 'ort' strategy.
 src/Pages/hellofetch.txt | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 src/Pages/hellofetch.txt

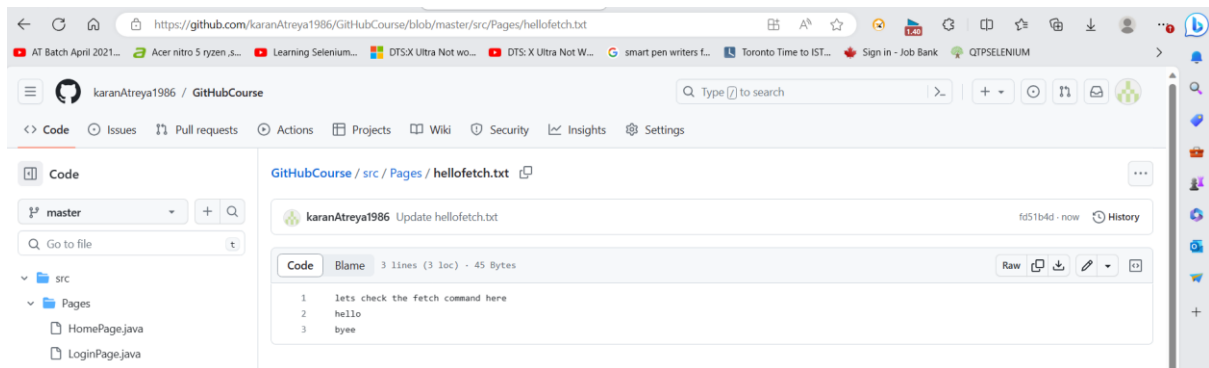
karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ |

```

In naveens machine write merge message-

The screenshot displays the Eclipse IDE environment. The title bar indicates the current file is 'GIT_Training - GitHubPractice/src/Pages/hellofetch.txt'. The menu bar and toolbar are visible at the top. The Package Explorer on the left shows the project 'GitHubPractice' with its source files. The main editor window shows the content of 'hellofetch.txt', which contains two lines of text.

Line Number	Text
1	lets check the fetch command here
2	



```
MINGW64:/e/Naveen_GIT_Training/GIT_Training/GitHubPractice

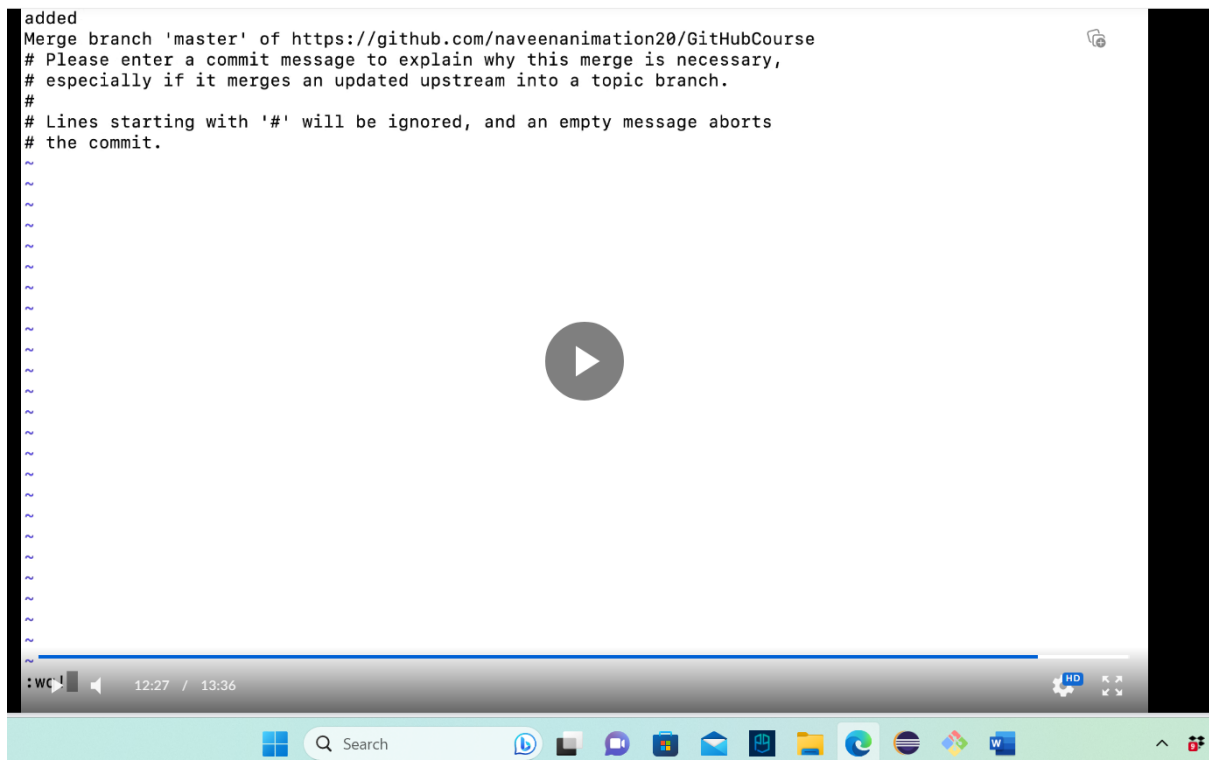
karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git fetch
remote: Enumerating objects: 9, done.
remote: Counting objects: 100% (9/9), done.
remote: Compressing objects: 100% (4/4), done.
remote: Total 5 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (5/5), 839 bytes | 15.00 KiB/s, done.
From https://github.com/karanAtreya1986/GitHubCourse
   c076a2f..fd51b4d  master       -> origin/master

karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ |
```

```
karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git diff master origin/master
diff --git a/src/Pages/Feature1.java b/src/Pages/Feature1.java
deleted file mode 100644
index f21caf5..0000000
--- a/src/Pages/Feature1.java
+++ /dev/null
@@ -1,13 +0,0 @@
-package Pages;
-
-public class Feature1 {
-
-    public static void main(String[] args) {
-        System.out.println("feature one is developed");
-
-        System.out.println("feature two is developed");
-
-        System.out.println("feature three is developed");
-    }
-}
diff --git a/src/Pages/hellofetch.txt b/src/Pages/hellofetch.txt
index f8fef34..5325d41 100644
--- a/src/Pages/hellofetch.txt
+++ b/src/Pages/hellofetch.txt
@@ -1 +1,3 @@
-lets check the fetch command here
+hello
+byee

karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ |
```

For Naveen asking to give reason for merge-



```
karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git pull origin master
From https://github.com/karanAtreya1986/GitHubCourse
* branch      master      -> FETCH_HEAD
Merge made by the 'ort' strategy.
 src/Pages/hellofetch.txt | 2 ++
 1 file changed, 2 insertions(+)

karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ |
```

Refresh ide and file updated-

