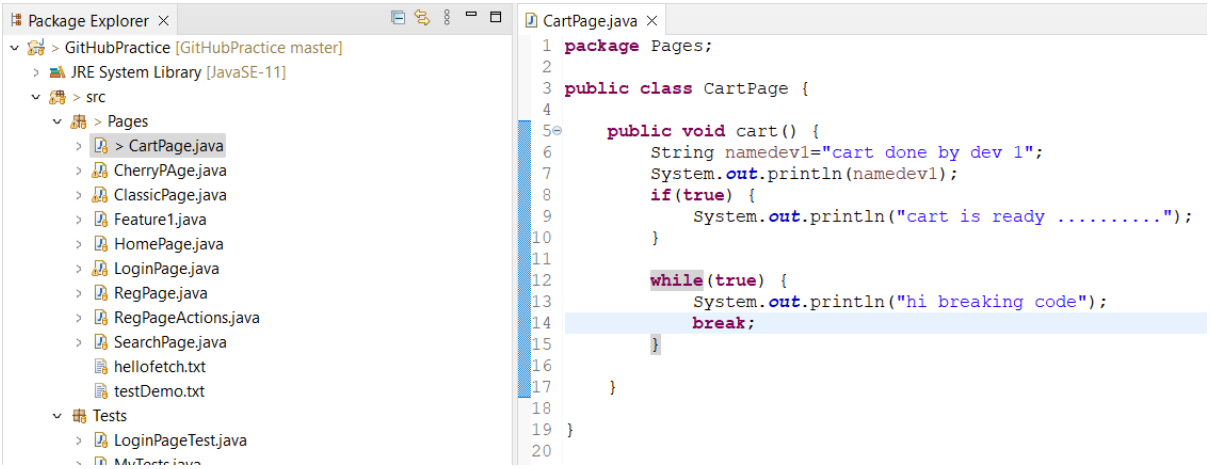
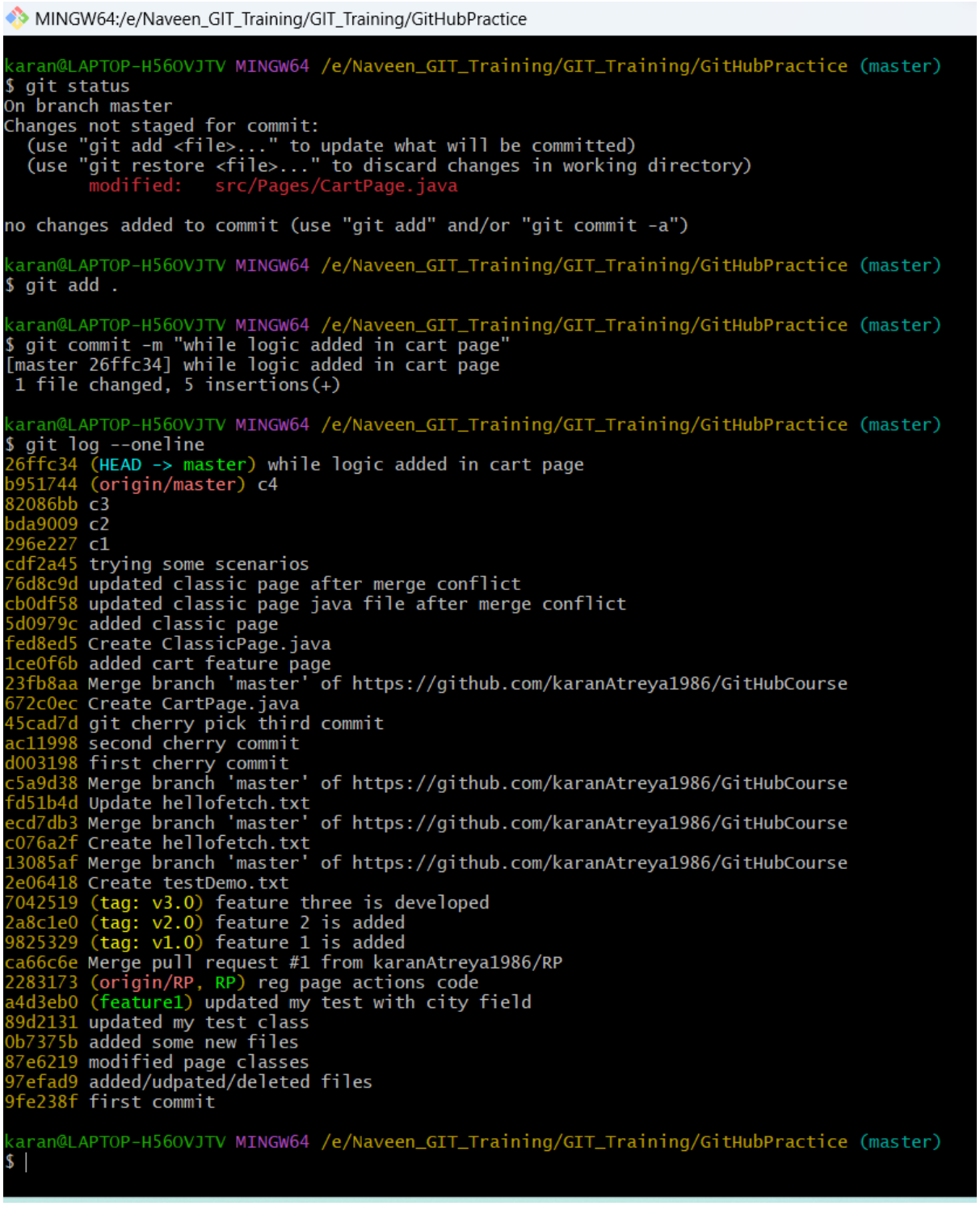
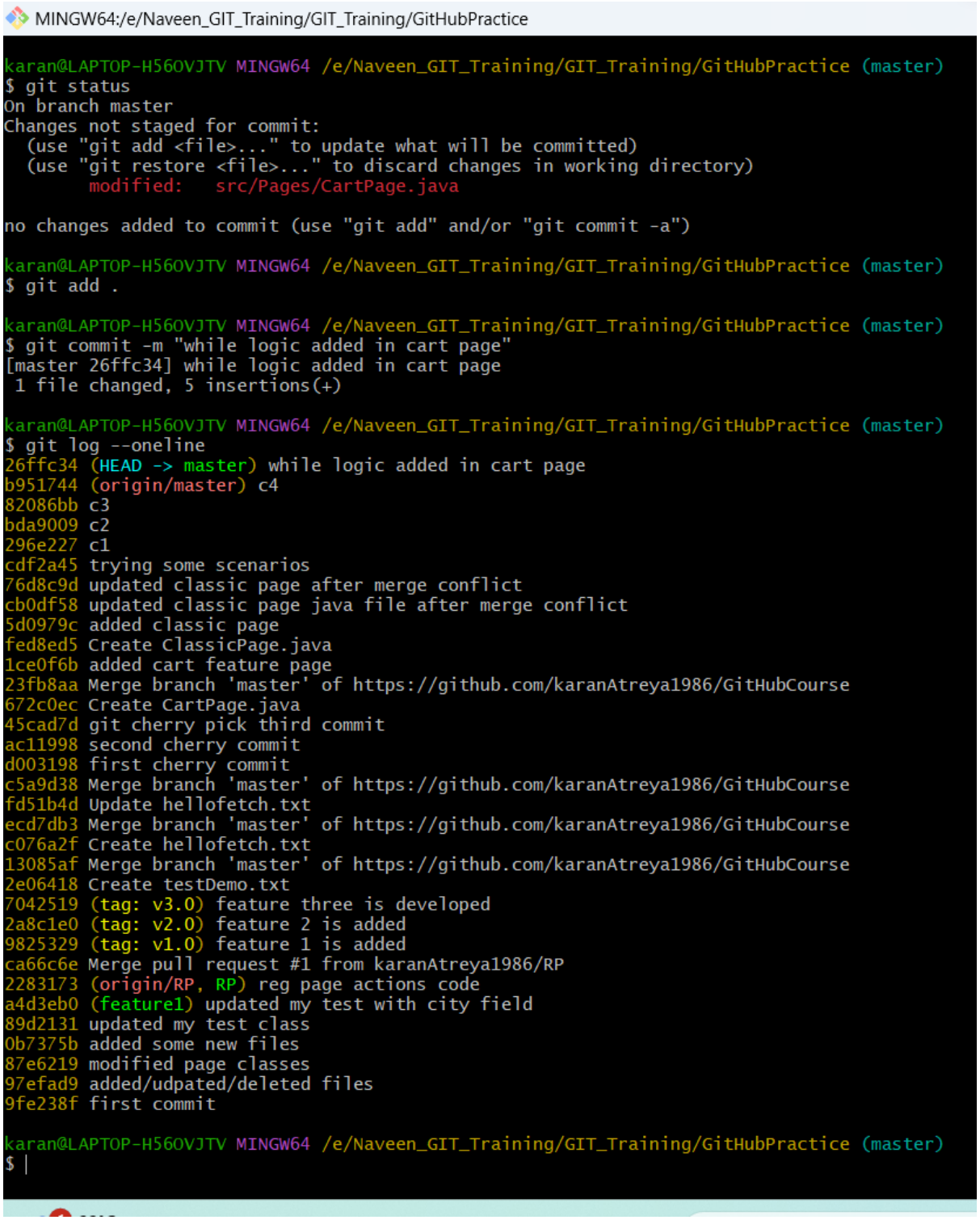
Reverting Commits

Code edited-




MINGW64:/e/Naveen_GIT_Training/GIT_Training/GitHubPractice
karan@LAPTOP-H56OVJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git status
On branch master
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: src/Pages/CartPage.java
no changes added to commit (use "git add" and/or "git commit -a")
karan@LAPTOP-H56OVJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git add .
karan@LAPTOP-H56OVJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git commit -m "while logic added in cart page"
[master 26ffc34] while logic added in cart page
1 file changed, 5 insertions(+)
karan@LAPTOP-H56OVJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git log --oneline
26ffc34 (HEAD -> master) while logic added in cart page
b951744 (origin/master) c4
82086bb c3
bda9009 c2
296e227 c1
cdf2a45 trying some scenarios
76d8c9d updated classic page after merge conflict
cb0df58 updated classic page java file after merge conflict
5d0979c added classic page
fed8ed5 Create ClassicPage.java
1ce0f6b added cart feature page
23fb8aa Merge branch 'master' of https://github.com/karanAtreya1986/GitHubCourse
672c0ec Create CartPage.java
45cad7d git cherry pick third commit
ac11998 second cherry commit
d003198 first cherry commit
c5a9d38 Merge branch 'master' of https://github.com/karanAtreya1986/GitHubCourse
fd51b4d Update hellofetch.txt
ecd7db3 Merge branch 'master' of https://github.com/karanAtreya1986/GitHubCourse
c076a2f Create hellofetch.txt
13085af Merge branch 'master' of https://github.com/karanAtreya1986/GitHubCourse
2e06418 Create testDemo.txt
7042519 (tag: v3.0) feature three is developed
2a8c1e0 (tag: v2.0) feature 2 is added
9825329 (tag: v1.0) feature 1 is added
ca66c6e Merge pull request #1 from karanAtreya1986/RP
2283173 (origin/RP, RP) reg page actions code
a4d3eb0 (feature1) updated my test with city field
89d2131 updated my test class
0b7375b added some new files
87e6219 modified page classes
97efad9 added/udpated/deleted files
9fe238f first commit
karan@LAPTOP-H56OVJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$

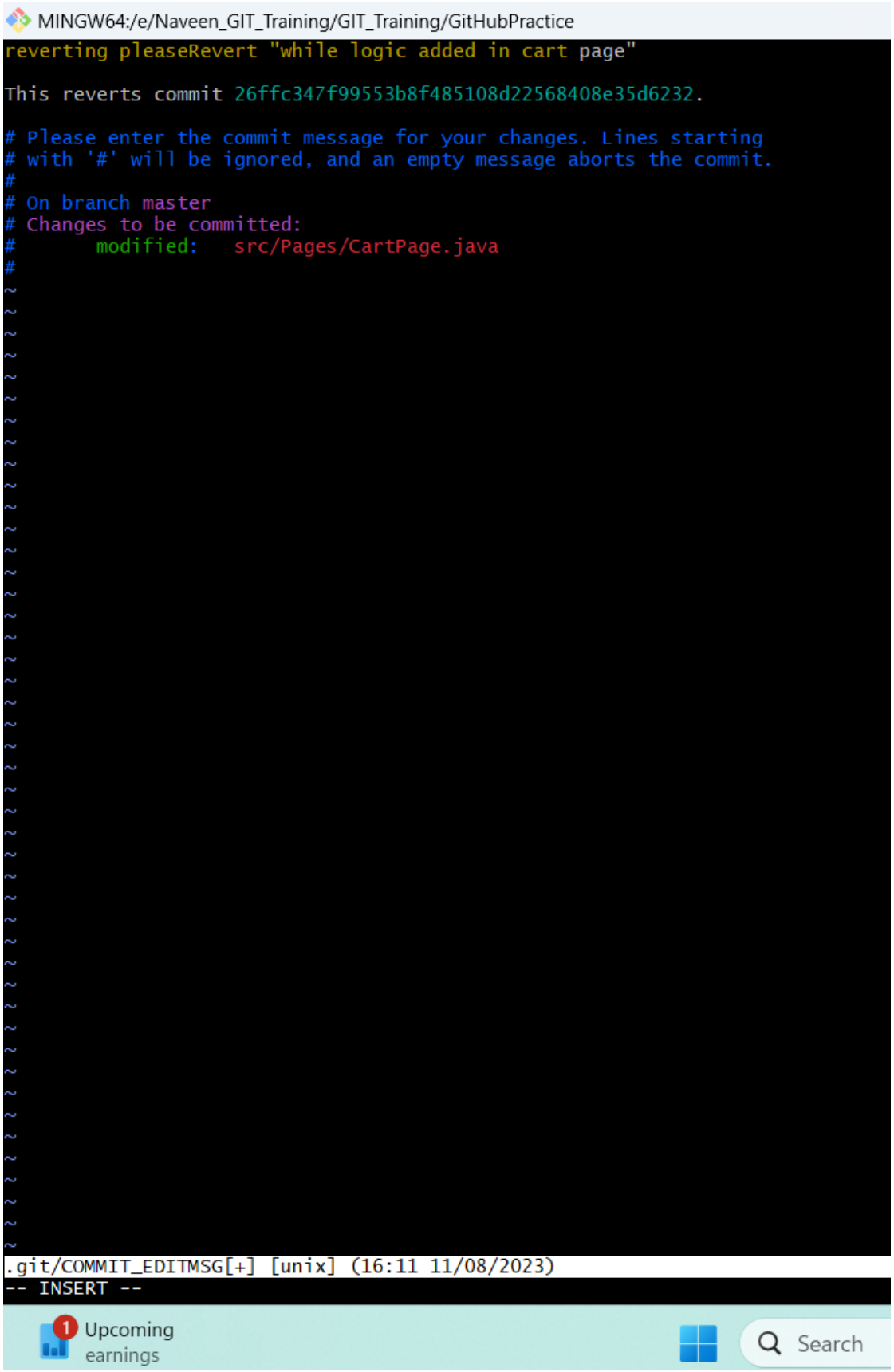


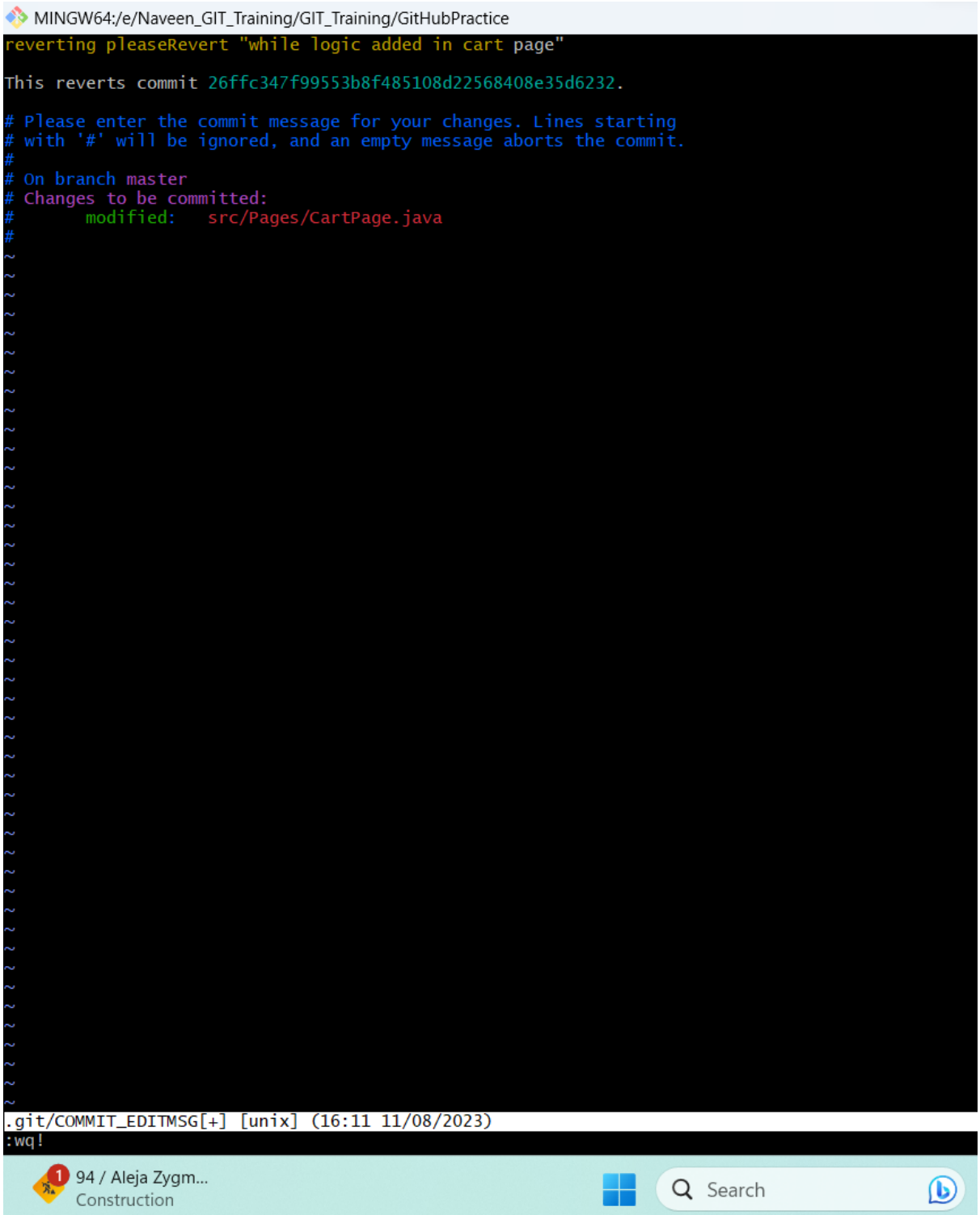
Revert-

Will remove code from ide.

Will create new commit id after removal of code.

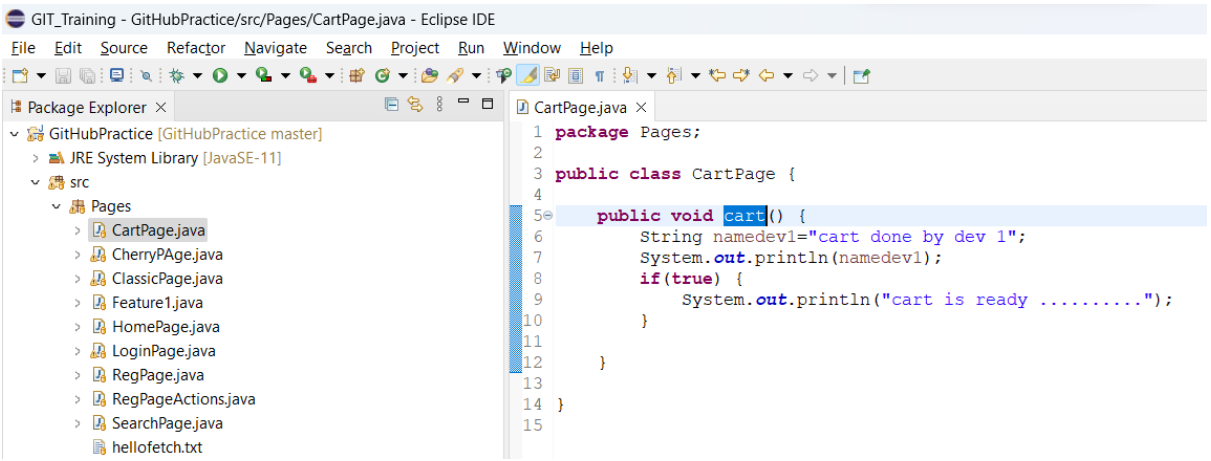
Asking me reason-



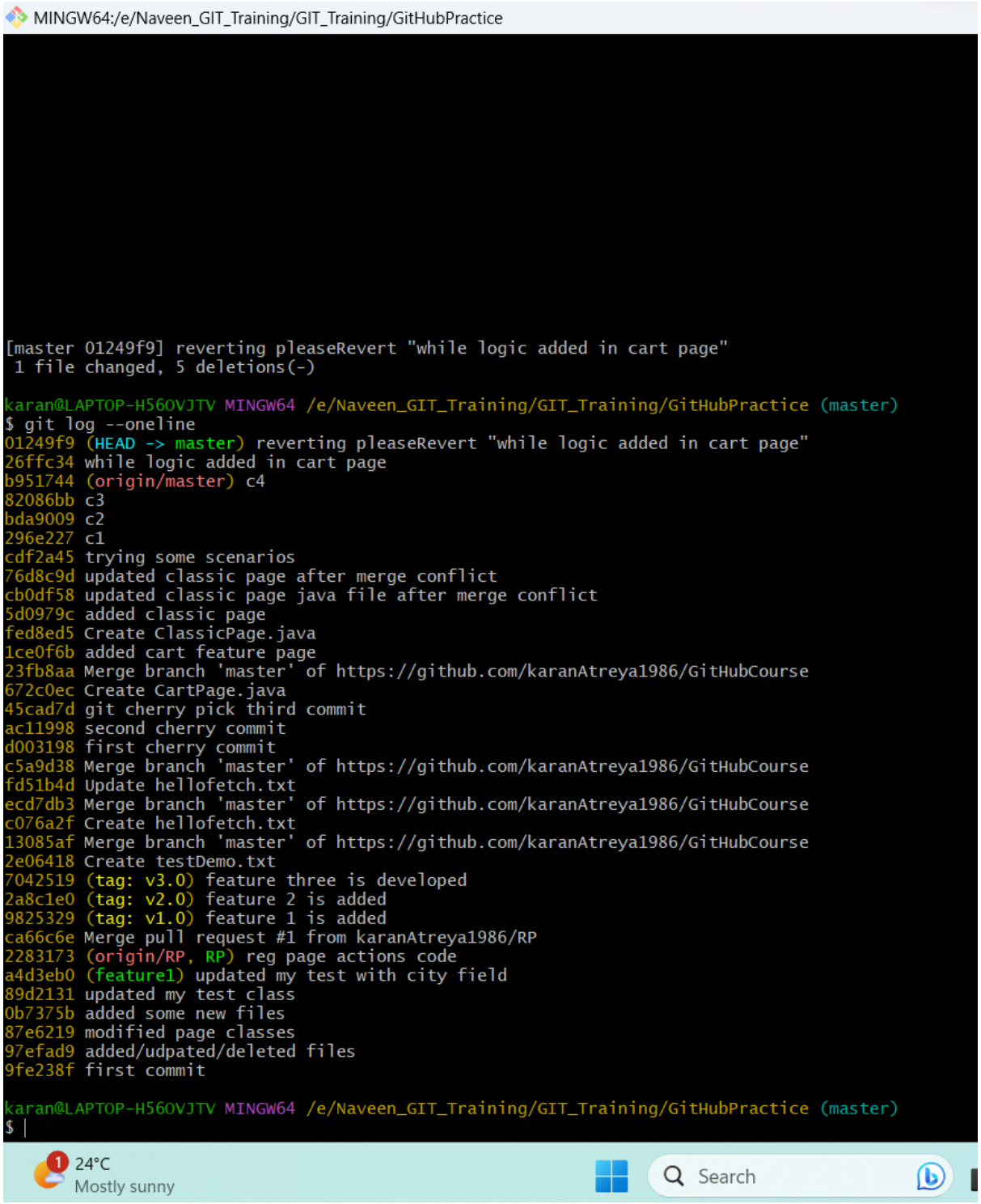

MINGW64:/e/Naveen_GIT_Training/GIT_Training/GitHubPractice
reverting pleaseRevert "while logic added in cart page"
This reverts commit 26ffc347f99553b8f485108d22568408e35d6232.
Please enter the commit message for your changes. Lines starting
with '#' will be ignored, and an empty message aborts the commit.
#
On branch master
Changes to be committed:
#	modified: src/Pages/CartPage.java
#
.git/COMMIT_EDITMSG[+] [unix] (16:11 11/08/2023)
:wq!
94 / Aleja Zygm...
Construction
Search

MINGW64:/e/Naveen_GIT_Training/GIT_Training/GitHubPractice
[master 01249f9] reverting pleaseRevert "while logic added in cart page"
1 file changed, 5 deletions(-)
karan@LAPTOP-H56OVJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$
24°C
Mostly sunny
Search

Code gone-



New commit created-



Our old commit is seen but it’s gone from ide.

HEAD-> MASTER means master’s head is pointing to this commit.

Code edited-

CartPage.java

```java
package Pages;

public class CartPage {

    public void cart() {
        String namedev1="cart done by dev 1";
        System.out.println(namedev1);
        if(true) {
            System.out.println("cart is ready ..........");
        }

        System.out.println("hi new commit to be added");

    }

}
```

MINGW64:/e/Naveen_GIT_Training/GIT_Training/GitHubPractice

```
karan@LAPTOP-H56OVJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git status
On branch master
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:   src/Pages/CartPage.java

no changes added to commit (use "git add" and/or "git commit -a")

karan@LAPTOP-H56OVJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git add .

karan@LAPTOP-H56OVJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git commit -m "cart"
[master 85c5ef9] cart
 1 file changed, 2 insertions(+)

karan@LAPTOP-H56OVJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$
```

Another set of code-

CartPage.java

```java
package Pages;

public class CartPage {

    public void cart() {
        String namedev1="cart done by dev 1";
        System.out.println(namedev1);
        if(true) {
            System.out.println("cart is ready ..........");
        }

        System.out.println("hi new commit to be added");

        System.out.println("hi new commit to be added for the cart page");

    }

}
```

```
karan@LAPTOP-H56OVJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git status
On branch master
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:   src/Pages/CartPage.java

no changes added to commit (use "git add" and/or "git commit -a")

karan@LAPTOP-H56OVJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git add .

karan@LAPTOP-H56OVJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git commit -m "cart2"
[master 112f50c] cart2
 1 file changed, 2 insertions(+)

karan@LAPTOP-H56OVJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$
```

Edited code-

CartPage.java

```java
package Pages;

public class CartPage {

    public void cart() {
        String namedev1="cart done by dev 1";
        System.out.println(namedev1);
        if(true) {
            System.out.println("cart is ready ..........");
        }

        System.out.println("hi new commit to be added");

        System.out.println("hi new commit to be added for the cart page");

        System.out.println("hi new commit to be added for the cart page another one to be added");

    }

}
```

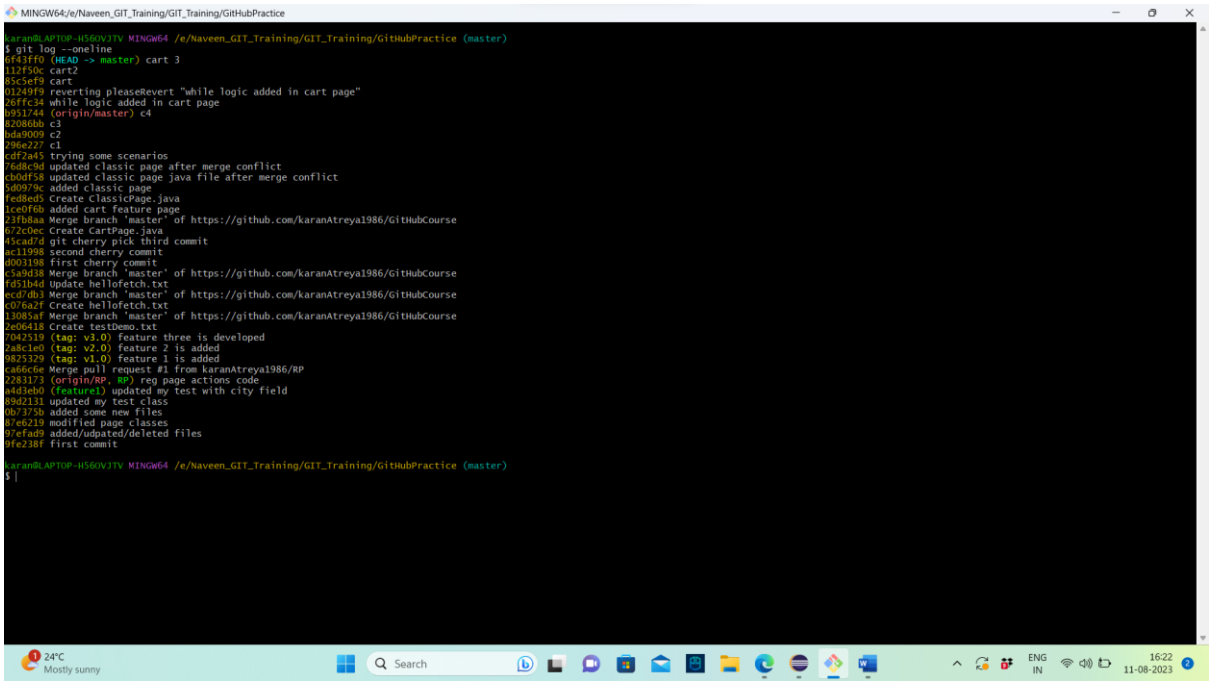
```
karan@LAPTOP-H56OVJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git status
On branch master
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   src/Pages/CartPage.java

no changes added to commit (use "git add" and/or "git commit -a")

karan@LAPTOP-H56OVJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git add .

karan@LAPTOP-H56OVJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git commit -m "cart 3"
[master 6f43ff0] cart 3
 1 file changed, 2 insertions(+)

karan@LAPTOP-H56OVJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$
```

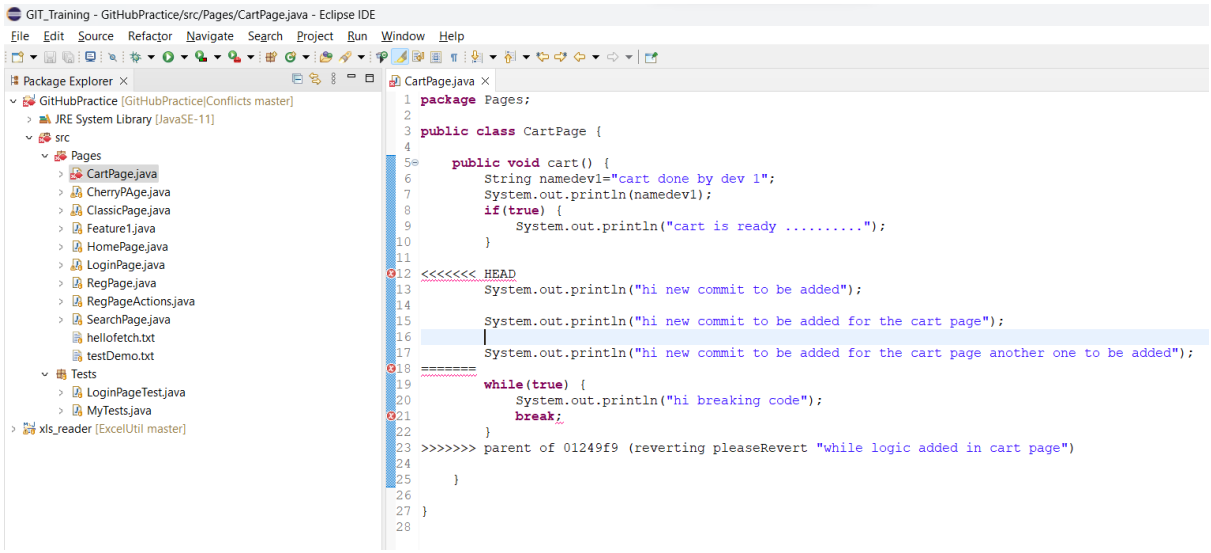


Conflict when reverting-

```
karan@LAPTOP-H56OVJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git revert HEAD~3
Auto-merging src/Pages/CartPage.java
CONFLICT (content): Merge conflict in src/Pages/CartPage.java
error: could not revert 01249f9... reverting pleaseRevert "while logic added in cart page"
hint: After resolving the conflicts, mark them with
hint: "git add/rm <pathspec>", then run
hint: "git revert --continue".
hint: You can instead skip this commit with "git revert --skip".
hint: To abort and get back to the state before "git revert",
hint: run "git revert --abort".

karan@LAPTOP-H56OVJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master|REVERTING)
$
```

We tried to revert the last three commits.



Why this conflict.

It says we will revert the last three commits, but it will also give one commit before it. So, you decide which code should be kept, so that GitLab will know the exact status of the code.

Commit history will always be maintained.

CartPage.java

```java
package Pages;

public class CartPage {

    public void cart() {
        String namedev1="cart done by dev 1";
        System.out.println(namedev1);
        if(true) {
            System.out.println("cart is ready .........");
        }


    }

}

```

```
karan@LAPTOP-H56OVJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master|REVERTING)
$ git status
On branch master
You are currently reverting commit 01249f9.
  (fix conflicts and run "git revert --continue")
  (use "git revert --skip" to skip this patch)
  (use "git revert --abort" to cancel the revert operation)

Unmerged paths:
  (use "git restore --staged <file>..." to unstage)
  (use "git add <file>..." to mark resolution)
        both modified:   src/Pages/CartPage.java

no changes added to commit (use "git add" and/or "git commit -a")

karan@LAPTOP-H56OVJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master|REVERTING)
$ git add .

karan@LAPTOP-H56OVJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master|REVERTING)
$ git commit -m "final cart"
[master f32745f] final cart
 1 file changed, 1 insertion(+), 5 deletions(-)
```

```
karan@LAPTOP-H56OVJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git log --oneline
f32745f (HEAD -> master) final cart
6f43ff0 cart 3
112f50c cart2
85c5ef9 cart
01249f9 reverting pleaseRevert "while logic added in cart page"
26ffc34 while logic added in cart page
b951744 (origin/master) c4
82086bb c3
bda9009 c2
296e227 c1
cdf2a45 trying some scenarios
76d8c9d updated classic page after merge conflict
cb0df58 updated classic page java file after merge conflict
5d0979c added classic page
fed8ed5 Create ClassicPage.java
1ce0f6b added cart feature page
23fb8aa Merge branch 'master' of https://github.com/karanAtreya1986/GitHubCourse
672c0ec Create CartPage.java
45cad7d git cherry pick third commit
ac11998 second cherry commit
d003198 first cherry commit
c5a9d38 Merge branch 'master' of https://github.com/karanAtreya1986/GitHubCourse
fd51b4d Update hellofetch.txt
ecd7db3 Merge branch 'master' of https://github.com/karanAtreya1986/GitHubCourse
c076a2f Create hellofetch.txt
13085af Merge branch 'master' of https://github.com/karanAtreya1986/GitHubCourse
2e06418 Create testDemo.txt
7042519 (tag: v3.0) feature three is developed
2a8c1e0 (tag: v2.0) feature 2 is added
9825329 (tag: v1.0) feature 1 is added
ca66c6e Merge pull request #1 from karanAtreya1986/RP
2283173 (origin/RP, RP) reg page actions code
a4d3eb0 (feature1) updated my test with city field
89d2131 updated my test class
0b7375b added some new files
87e6219 modified page classes
97efad9 added/udpated/deleted files
9fe238f first commit

karan@LAPTOP-H56OVJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$
```

Revert not used much.

Reset is better command for undoing.