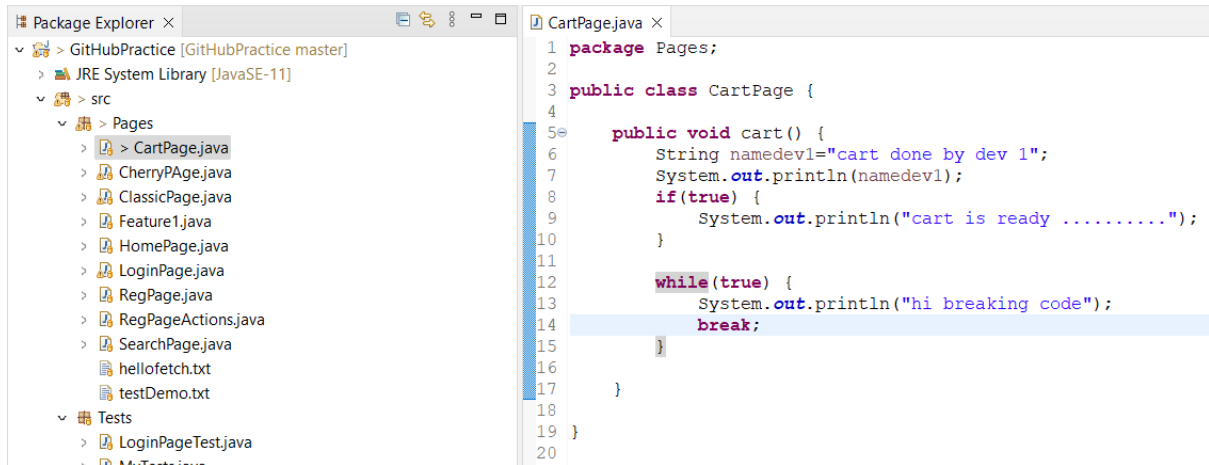


# Reverting Commits

---

Code edited-



The screenshot shows an IDE window with two panes. The left pane is the Package Explorer, showing a project named 'GitHubPractice' with a 'src' folder containing a 'Pages' subfolder. The 'Pages' folder contains several Java files, including 'CartPage.java', which is currently selected. The right pane is the Code Editor, displaying the contents of 'CartPage.java'. The code defines a package 'Pages' and a public class 'CartPage'. It includes a method 'cart()' that prints 'cart done by dev 1', 'cart is ready .....,', and 'hi breaking code' in a loop. The 'break;' statement on line 14 is highlighted.

```
1 package Pages;
2
3 public class CartPage {
4
5     public void cart() {
6         String namedev1="cart done by dev 1";
7         System.out.println(namedev1);
8         if(true) {
9             System.out.println("cart is ready .....,");
10        }
11
12        while(true) {
13            System.out.println("hi breaking code");
14            break;
15        }
16    }
17 }
18
19 }
20
```

```

MINGW64:/e/Naveen_GIT_Training/GIT_Training/GitHubPractice

karan@LAPTOP-H560VJTV 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-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git add .

karan@LAPTOP-H560VJTV 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-H560VJTV 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/updated/deleted files
9fe238f first commit

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

```

```

MINGW64:/e/Naveen_GIT_Training/GIT_Training/GitHubPractice

karan@LAPTOP-H560VJTV 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-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git add .

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

```

## Revert-

Will remove code from ide.

Will create new commit id after removal of code.







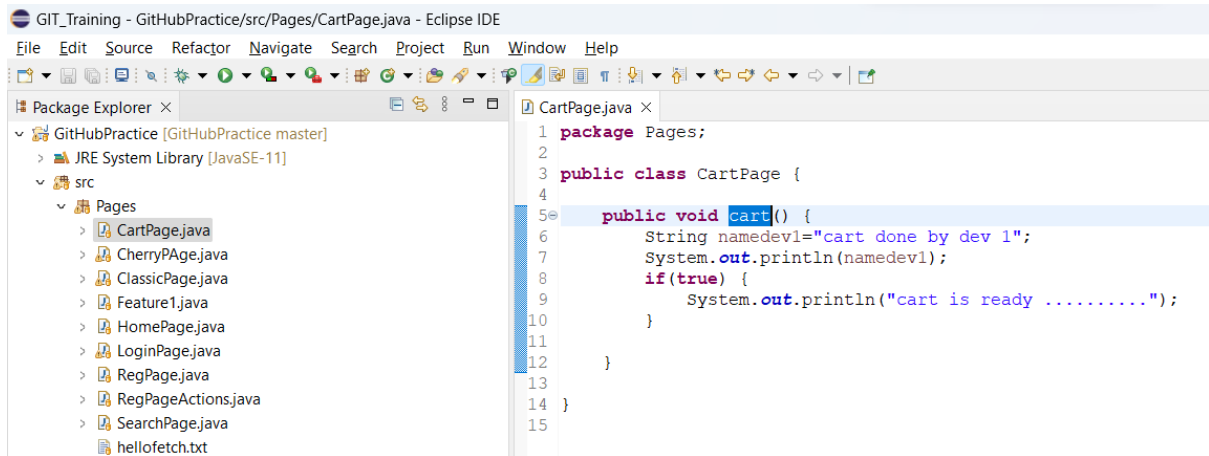
The screenshot shows a Windows terminal window with a black background. The title bar at the top reads "MINGW64:/e/Naveen\_GIT\_Training/GIT\_Training/GitHubPractice". The terminal output shows a successful Git revert operation. The prompt is "karan@LAPTOP-H560VJTV MINGW64 /e/Naveen\_GIT\_Training/GIT\_Training/GitHubPractice (master)". The taskbar at the bottom shows the weather as 24°C Mostly sunny, the Windows Start button, a search bar, and a Discord icon.

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

Code gone-



The screenshot shows the Eclipse IDE interface. The title bar reads "GIT\_Training - GitHubPractice/src/Pages/CartPage.java - Eclipse IDE". The menu bar includes File, Edit, Source, Refactor, Navigate, Search, Project, Run, Window, and Help. The Package Explorer on the left shows the project structure: GitHubPractice [GitHubPractice master] > JRE System Library [JavaSE-11] > src > Pages. The Pages package contains several Java files: CartPage.java, CherryPage.java, ClassicPage.java, Feature1.java, HomePage.java, LoginPage.java, RegPage.java, RegPageActions.java, SearchPage.java, and hellofetch.txt. The main editor window displays the code for CartPage.java. The code is as follows:

```
1 package Pages;
2
3 public class CartPage {
4
5     public void cart() {
6         String namedev1="cart done by dev 1";
7         System.out.println(namedev1);
8         if(true) {
9             System.out.println("cart is ready .....");
10        }
11    }
12 }
13
14 }
15
```

New commit created-

```

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)
$ git log --oneline
01249f9 (HEAD -> master) 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
2a8cle0 (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)
$ |

```

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 ×
1 package Pages;
2
3 public class CartPage {
4
5     public void cart() {
6         String namedev1="cart done by dev 1";
7         System.out.println(namedev1);
8         if(true) {
9             System.out.println("cart is ready .....");
10        }
11
12        System.out.println("hi new commit to be added");
13
14    }
15
16 }
17

```

```

MINGW64:/e/Naveen_GIT_Training/GIT_Training/GitHubPractice

karan@LAPTOP-H560VJTV 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-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git add .

karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git commit -m "cart"
[master 85c5ef9] cart
1 file changed, 2 insertions(+)

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

```

Another set of code-

```

CartPage.java ×
1 package Pages;
2
3 public class CartPage {
4
5     public void cart() {
6         String namedev1="cart done by dev 1";
7         System.out.println(namedev1);
8         if(true) {
9             System.out.println("cart is ready .....");
10        }
11
12        System.out.println("hi new commit to be added");
13
14        System.out.println("hi new commit to be added for the cart page");
15
16    }
17
18 }
19

```

```

karan@LAPTOP-H560VJTV 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-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git add .

karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git commit -m "cart2"
[master 112f50c] cart2
1 file changed, 2 insertions(+)

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

```

Edited code-

```

CartPage.java ×
1 package Pages;
2
3 public class CartPage {
4
5     public void cart() {
6         String namedev1="cart done by dev 1";
7         System.out.println(namedev1);
8         if(true) {
9             System.out.println("cart is ready .....");
10        }
11
12        System.out.println("hi new commit to be added");
13
14        System.out.println("hi new commit to be added for the cart page");
15
16        System.out.println("hi new commit to be added for the cart page another one to be added");
17
18    }
19
20 }
21

```

```

karan@LAPTOP-H560VJTV 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-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git add .

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

```

```

MINGW64:/e/Naveen_GIT_Training/GIT_Training/GitHubPractice
$ git log --oneline
6f43ff0 (HEAD -> master) cart 3
12f450c cart2
85c5cf9 cart
01249f9 reverting pleaseRevert "while logic added in cart page"
26ffc24 while logic added in cart page
9931744 (origin/master) c4
82086bb c3
bda0009 c2
298e227 c1
cdf2a45 trying some scenarios
f6d8c9d updated classic page after merge conflict
cb0df58 updated classic page java file after merge conflict
5d0979c added classic page
fed8e45 Create ClassicPage.java
11ce0f6b added cart feature page
23fb8aa Merge branch 'master' of https://github.com/karanAtreya1986/GitHubCourse
672cdec Create CartPage.java
85cad7d git cherry pick third commit
ac11998 second cherry commit
8003188 first cherry commit
c5a9d38 Merge branch 'master' of https://github.com/karanAtreya1986/GitHubCourse
fd51b4d Update hellofetch.txt
ecaf0b3 Merge branch 'master' of https://github.com/karanAtreya1986/GitHubCourse
c076a2f Create hellofetch.txt
13085af Merge branch 'master' of https://github.com/karanAtreya1986/GitHubCourse
bda0443 Create testDemo.txt
7042519 (tag: v1.0) feature three is developed
2a8c1e0 (tag: v2.0) feature 2 is added
8925329 (tag: v1.0) feature 1 is added
c4d6c6e Merge pull request #1 from karanAtreya1986/np
2283173 (origin/np, np) reg page actions code
ad1b4d0 (feature) updated my test with city field
8942131 updated my test class
0b7375b added some new files
874d219 modified page classes
97efad9 added/updated/deleted files
9fe238f first commit

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

```

Conflict when reverting-

```

karan@LAPTOP-H560VJTV 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 <paths>", 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-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master|REVERTING)
$ |

```

We tried to revert the last three commits.

```

GIT_Training - GitHubPractice/src/Pages/CartPage.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer x
  GitHubPractice [GitHubPractice|Conflicts master]
    > JRE System Library [JavaSE-11]
    > src
      > Pages
        > CartPage.java
        > CherryPage.java
        > ClassicPage.java
        > Feature1.java
        > HomePage.java
        > LoginPage.java
        > RegPage.java
        > RegPageActions.java
        > SearchPage.java
        > hellofetch.txt
        > testDemo.txt
      > Tests
        > LoginPageTest.java
        > MyTests.java
    > xls_reader [ExcelUtil master]

CartPage.java x
1 package Pages;
2
3 public class CartPage {
4
5     public void cart() {
6         String namedev1="cart done by dev 1";
7         System.out.println(namedev1);
8         if(true) {
9             System.out.println("cart is ready .....");
10        }
11    }
12    <----- HEAD
13    System.out.println("hi new commit to be added");
14
15    System.out.println("hi new commit to be added for the cart page");
16
17    System.out.println("hi new commit to be added for the cart page another one to be added");
18    =====
19    while(true) {
20        System.out.println("hi breaking code");
21        break;
22    }
23    >>>>> parent of 01249f9 (reverting pleaseRevert "while logic added in cart page")
24
25    }
26
27 }
28

```

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 x
1 package Pages;
2
3 public class CartPage {
4
5     public void cart() {
6         String namedev1="cart done by dev 1";
7         System.out.println(namedev1);
8         if(true) {
9             System.out.println("cart is ready .....");
10        }
11
12
13
14    }
15
16 }
17

```

```

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

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

```

Revert not used much.

Reset is better command for undoing.