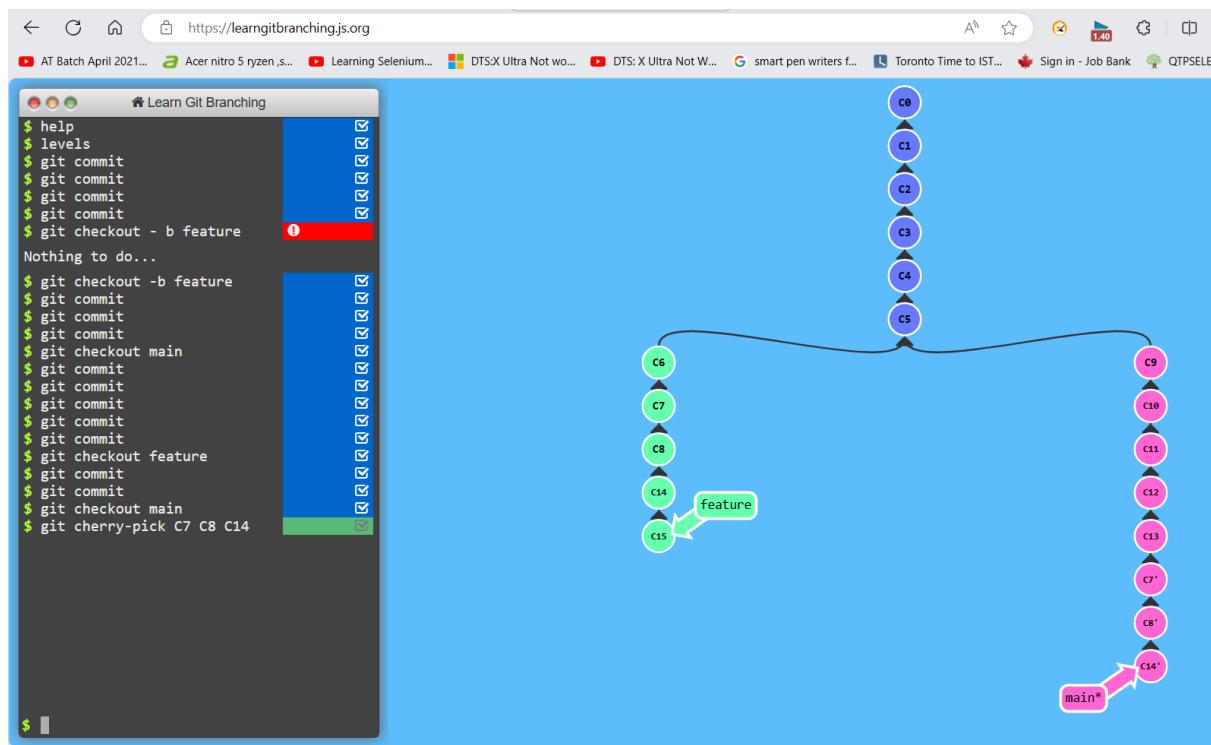


```

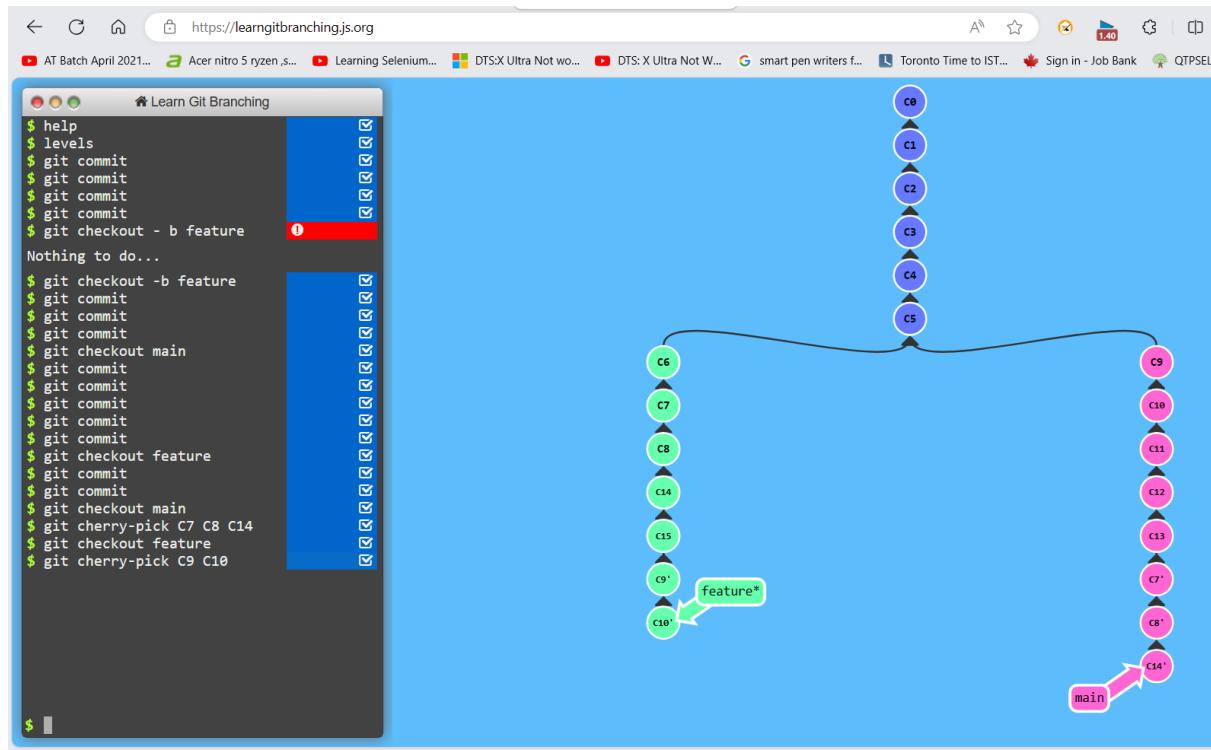
1 git cherry-pick
2
3 M -- c1 c2 c3 c4
4 F -- f1 f2 c2 c3
5
6 M -- c1 c2 c3 c4 f1 f2 f3
7 F -- f1 f2 f3 f4 f5 f6
8

```



From master to feature-

We are picking certain commits from master and adding them to feature.



Practical example-

Added code.

The screenshot shows the Eclipse IDE interface. The left pane, 'Package Explorer', displays a project named 'GitHubPractice' with a 'src' folder containing several Java files: 'CherryPPage.java', 'FeaturePPage.java', 'HomePage.java', 'LoginPage.java', 'RegPage.java', 'RegPageActions.java', and 'SearchPage.java'. The right pane, 'CherryPPage.java', shows the code for the class:

```
1 package Pages;
2
3 public class CherryPPage {
4
5     public static void main(String[] args) {
6
7         String name = "naveen";
8     }
9 }
10
11 }
```

The line 'String name = "naveen";' is highlighted with a blue selection bar, indicating it is currently selected or being edited.

```
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
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    src/Pages/CherryPAge.java

nothing added to commit but untracked files present (use "git add" to track)

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

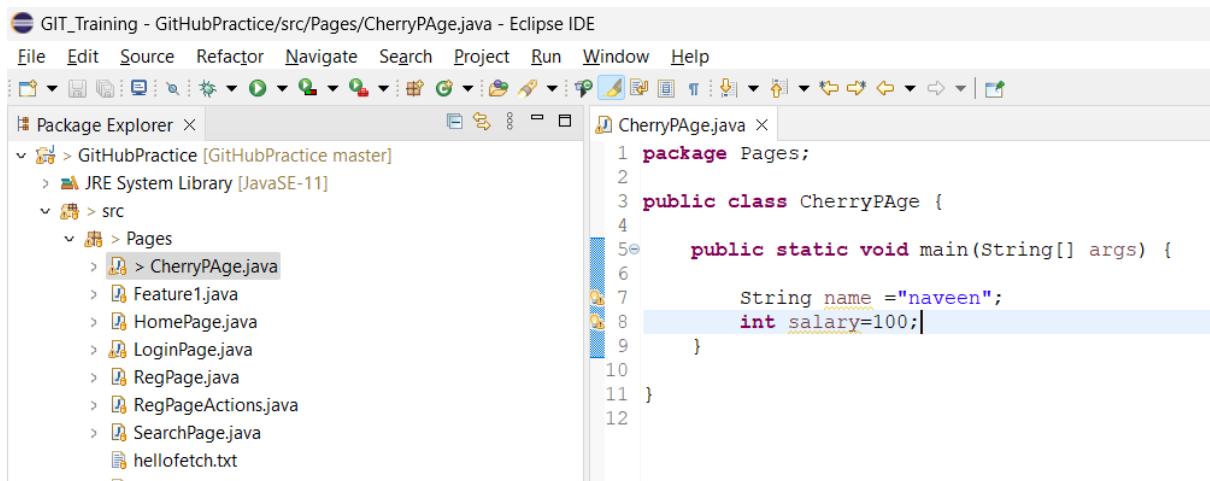
karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git commit -m "first cherry commit"
[master d003198] first cherry commit
 1 file changed, 11 insertions(+)
 create mode 100644 src/Pages/CherryPAge.java

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 log --oneline
d003198 (HEAD -> master) first cherry commit
c5a9d38 Merge branch 'master' of https://github.com/karanAtreya1986/GithubCourse
fd51b4d (origin/master) 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)
$ |
```

Add more code-



```

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/CherryPage.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 .
g
karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git commit -m "second cherry commit"
[master ac11998] second cherry commit
 1 file changed, 1 insertion(+), 1 deletion(-)

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 log --oneline
ac11998 (HEAD -> master) second cherry commit
d003198 first cherry commit
c5a9d38 Merge branch 'master' of https://github.com/karanAtreya1986/GitHubCourse
fd51b4d (origin/master) 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)
$ 

```

More code added-

The screenshot shows the Eclipse IDE interface. On the left is the 'Package Explorer' view, which displays a project named 'GitHubPractice' containing a 'src' folder. Inside 'src', there's a 'Pages' package containing several Java files: CherryPAge.java, Feature1.java, HomePage.java, LoginPage.java, RegPage.java, RegPageActions.java, SearchPage.java, hellofetch.txt, and testDemo.txt. Below 'src' is a 'Tests' folder. On the right is the 'CherryPPage.java' code editor window. The code is as follows:

```

1 package Pages;
2
3 public class CherryPPage {
4
5     public static void main(String[] args) {
6
7         String name ="naveen";
8         int salary=100;
9     }
10
11    public void test() {
12        System.out.println("Test feature added");
13    }
14
15 }
16

```

The screenshot shows a terminal window with the following command history:

```

MINGW64:/e/Naveen_GIT_Training/GIT_Training/GitHubPractice
i
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/CherryPPage.java

no changes added to commit (use "git add" and/or "git commit -a")
g
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 "git cherry pick third commit"
[master 45cad7d] git cherry pick third commit
 1 file changed, 4 insertions(+)

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

```

```
+1 file changed, +1 insertion(+)
karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git log --oneline
45cad7d (HEAD -> master) git cherry pick third commit
ac11998 second cherry commit
d003198 first cherry commit
c5a9d38 Merge branch 'master' of https://github.com/karanAtreya1986/GitHubCourse
fd51b4d (origin/master) 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)
$ |
```

Lets cherry pick the first two commits from master-

A screenshot of a terminal window. The title bar says 'd003198 (HEAD - master) first cher'. The menu bar has 'File', 'Edit', and 'View'. The main area contains the following text:

```
d003198 (HEAD -> master) first cherry commit
ac11998 (HEAD -> master) second cherry commit
45cad7d (HEAD -> master) git cherry pick third commit|
```

Switch to Naveen and cherry pick-

```
karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git branch
  RP
  cart
  feature1
* master
  naveen

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 checkout naveen
Switched to branch 'naveen'

karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (naveen)
$ git cherry-pick d003198 ac11998
[naveen 1064e12] first cherry commit
 Date: Fri Aug 4 17:20:02 2023 +0200
1 file changed, 11 insertions(+)
 create mode 100644 src/Pages/CherryPAge.java
[naveen 0792c49] second cherry commit
 Date: Fri Aug 4 17:23:04 2023 +0200
1 file changed, 1 insertion(+), 1 deletion(-)

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

```
karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (naveen)
$ git log --oneline
0792c49 (HEAD -> naveen) second cherry commit
1064e12 first cherry commit
cfffb805 demo page added
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 (naveen)
$
```

Cherry pick can be done between feature branches, master to feature, feature to master and master to master and so on.