Edit code-

Remote end also code updated at same time-

Merge denied-

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

karan@LAPTOP-H56OVJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git pull origin master
remote: Enumerating objects: 9, done.
remote: Counting objects: 100% (9/9), done.
remote: Compressing objects: 100% (5/5), done.
remote: Total 5 (delta 2), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (5/5), 851 bytes | 32.00 KiB/s, done.
From https://github.com/karanAtreya1986/GitHubCourse
 * branch            master      -> FETCH_HEAD
   b951744..fb9cada  master      -> origin/master
error: Your local changes to the following files would be overwritten by merge:
        src/Pages/ClassicPage.java
Please commit your changes or stash them before you merge.
Aborting
Merge with strategy ort failed.

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

Commit we usually do when our code is ready or almost ready.

```
karan@LAPTOP-H56OVJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git stash
Saved working directory and index state WIP on master: f32745f final cart

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

Code gone-

```java
package Pages;

public class ClassicPage {

    public void classic() {

        int k=100;
        int k1=200;
        int div=k1/k;
        System.out.println(div);
        System.out.println("hi");
    System.out.println("bye code from remote");
    System.out.println("Accepted our friends code");
    System.out.println("alias check");



    }

    public void master() {
        System.out.println("master blaster");
        int n=10;
        int k=20;
        System.out.println("to check the diff between commits");
    }

}
```

```
karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git stash list
stash@{0}: WIP on master: f32745f final cart
stash@{1}: WIP on master: 45cad7d git cherry pick third commit

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

Now pull-

```
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/ClassicPage.java | 1 +
 1 file changed, 1 insertion(+)

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

Got latest code-

4

```java
package Pages;

public class ClassicPage {

    public void classic() {

        int k=100;
        int k1=200;
        int div=k1/k;
        System.out.println(div);
        System.out.println("hi");
    System.out.println("bye code from remote");
    System.out.println("Accepted our friends code");
    System.out.println("alias check");



    }

    public void master() {
        System.out.println("master blaster");
        int n=10;
        int k=20;
        System.out.println("to check the diff between commits");
        int salary=120000;
    }

}
```

```
karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git stash pop
Auto-merging src/Pages/ClassicPage.java
CONFLICT (content): Merge conflict in src/Pages/ClassicPage.java
On branch master
Unmerged paths:
  (use "git restore --staged <file>..." to unstage)
  (use "git add <file>..." to mark resolution)
        both modified:   src/Pages/ClassicPage.java

no changes added to commit (use "git add" and/or "git commit -a")
The stash entry is kept in case you need it again.

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

Merge conflict-

ClassicPage.java ✕

```java
 1  package Pages;
 2
 3  public class ClassicPage {
 4
 5      public void classic() {
 6
 7          int k=100;
 8          int k1=200;
 9          int div=k1/k;
10          System.out.println(div);
11          System.out.println("hi");
12      System.out.println("bye code from remote");
13      System.out.println("Accepted our friends code");
14      System.out.println("alias check");
15
16
17
18      }
19
20      public void master() {
21          System.out.println("master blaster");
22          int n=10;
23          int k=20;
24          System.out.println("to check the diff between commits");
25  <<<<<<< Updated upstream
26          int salary=120000;
27  =======
28          int age=25;
29          int salary=120000;
30  >>>>>>> Stashed changes
31      }
32
33  }
34
```

Lets keep both the code-

```java
ClassicPage.java ×
 1  package Pages;
 2
 3  public class ClassicPage {
 4
 5      public void classic() {
 6
 7          int k=100;
 8          int k1=200;
 9          int div=k1/k;
10          System.out.println(div);
11          System.out.println("hi");
12      System.out.println("bye code from remote");
13      System.out.println("Accepted our friends code");
14      System.out.println("alias check");
15
16
17
18      }
19
20      public void master() {
21          System.out.println("master blaster");
22          int n=10;
23          int k=20;
24          System.out.println("to check the diff between commits");
25
26          int salary=120000;
27
28          int age=25;
29          int salary=120000;
30
31      }
32
33  }
34
```

```
karan@LAPTOP-H56OVJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git status
On branch master
Unmerged paths:
  (use "git restore --staged <file>..." to unstage)
  (use "git add <file>..." to mark resolution)
        both modified:   src/Pages/ClassicPage.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)
$
```

MINGW64:/e/Naveen_GIT_Training/GIT_Training/GitHubPractice

```
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 "after conflict resolution added to master"
[master 9428157] after conflict resolution added to master
 1 file changed, 5 insertions(+)

karan@LAPTOP-H56OVJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git push origin master
Enumerating objects: 45, done.
Counting objects: 100% (44/44), done.
Delta compression using up to 12 threads
Compressing objects: 100% (35/35), done.
Writing objects: 100% (35/35), 3.17 KiB | 216.00 KiB/s, done.
Total 35 (delta 12), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (12/12), completed with 2 local objects.
To https://github.com/karanAtreya1986/GitHubCourse.git
   fb9cada..9428157  master -> master

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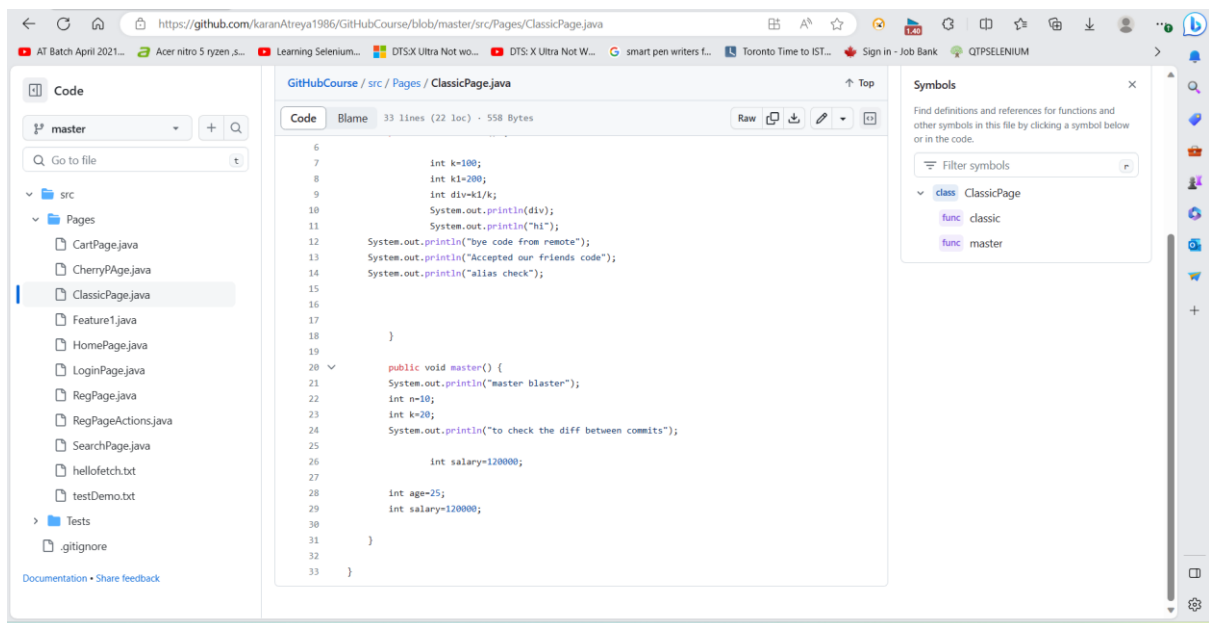
Refresh-

Updated line 29-

ClassicPage.java ×

```java
package Pages;

public class ClassicPage {

    public void classic() {

        int k=100;
        int k1=200;
        int div=k1/k;
        System.out.println(div);
        System.out.println("hi");
    System.out.println("bye code from remote");
    System.out.println("Accepted our friends code");
    System.out.println("alias check");



    }

    public void master() {
        System.out.println("master blaster");
        int n=10;
        int k=20;
        System.out.println("to check the diff between commits");

        int salary=120000;

        int age=25;
        int salary=150000;

    }

}
```

Refresh and no conflict at remote end-

New value overwrites the old value.

Conflict always comes at local end when there is code mismatch in the lines when someone takes pull.

Line 31 added-

```java
ClassicPage.java ×
 1 package Pages;
 2
 3 public class ClassicPage {
 4
 5⊝    public void classic() {
 6
 7        int k=100;
 8        int k1=200;
 9        int div=k1/k;
10        System.out.println(div);
11        System.out.println("hi");
12     System.out.println("bye code from remote");
13     System.out.println("Accepted our friends code");
14     System.out.println("alias check");
15
16
17
18    }
19
20⊝    public void master() {
21        System.out.println("master blaster");
22        int n=10;
23        int k=20;
24        System.out.println("to check the diff between commits");
25
26        int salary=120000;
27
28        int age=25;
29        int salary=150000;
30
31        System.out.println("hi cart guys how are you");
32
33    }
34
35 }
36
```

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/ClassicPage.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 "updated the code again"
[master ea2c79a] updated the code again
 1 file changed, 2 insertions(+)

karan@LAPTOP-H56OVJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git push origin master
Enumerating objects: 9, done.
Counting objects: 100% (9/9), done.
Delta compression using up to 12 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (5/5), 488 bytes | 488.00 KiB/s, done.
Total 5 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To https://github.com/karanAtreya1986/GitHubCourse.git
   9960157..ea2c79a  master -> master

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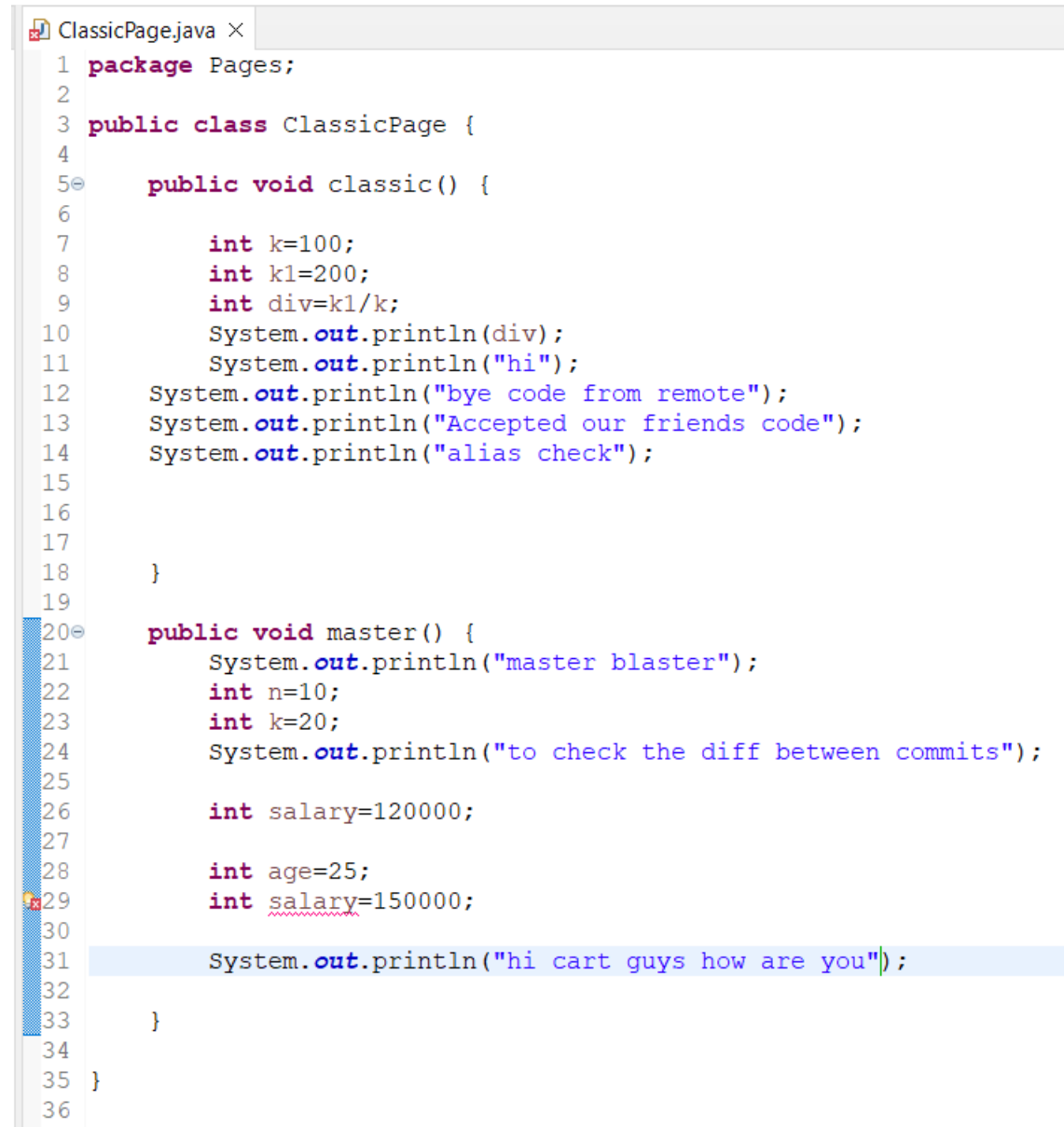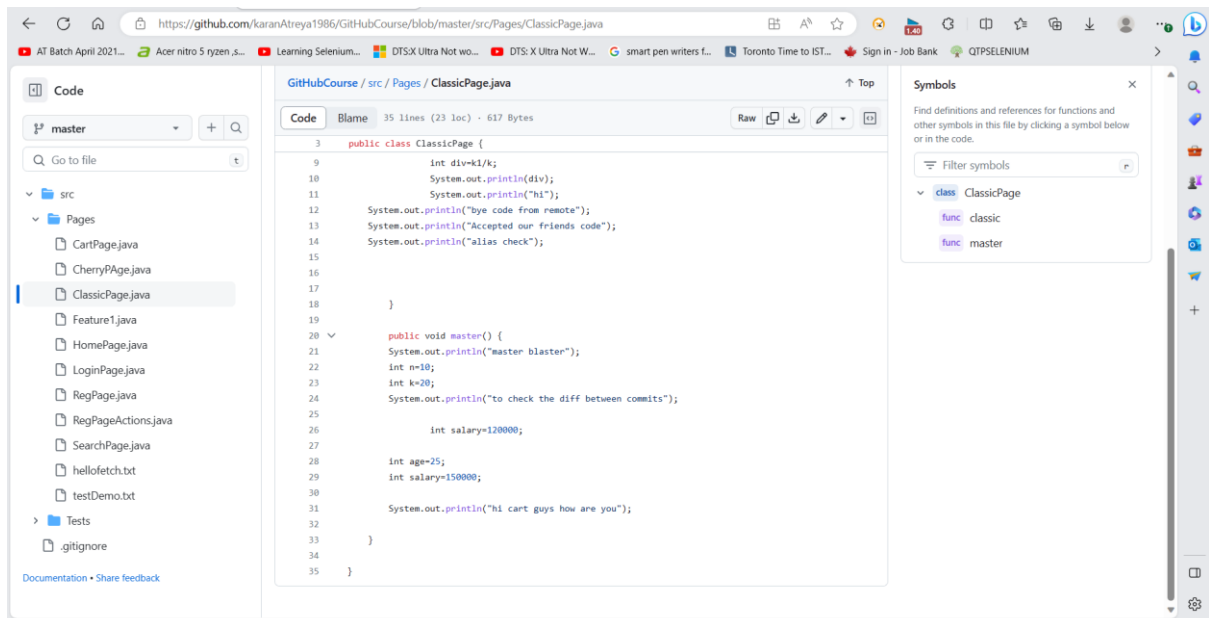
Refresh-

Updated master directly-

https://github.com/karanAtreya1986/GitHubCourse/blob/master/src/Pages/ClassicPage.java

AT Batch April 2021... Acer nitro 5 ryzen ,s... Learning Selenium... DTS:X Ultra Not wo... DTS: X Ultra Not W... smart pen writers f... Toronto Time to IST... Sign i

Code

GitHubCourse / src / Pages / **ClassicPage.java** ↑ Top

Code | Blame 37 lines (24 loc) · 669 Bytes Raw

master

Go to file

- 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
  - .gitignore

Documentation • Share feedback

```java
 3      public class ClassicPage {
11              System.out.println("hi");
12          System.out.println("bye code from remote");
13          System.out.println("Accepted our friends code");
14          System.out.println("alias check");
15
16
17
18          }
19
20      public void master() {
21          System.out.println("master blaster");
22          int n=10;
23          int k=20;
24          System.out.println("to check the diff between commits");
25
26              int salary=120000;
27
28          int age=25;
29          int salary=150000;
30
31          System.out.println("hi cart guys how are you");
32
33          System.out.println("hi master guys how are you");
34
35      }
36
37  }
```

Update local also at the same time and push-

ClassicPage.java ×

```java
 1 package Pages;
 2
 3 public class ClassicPage {
 4
 5     public void classic() {
 6
 7         int k=100;
 8         int k1=200;
 9         int div=k1/k;
10         System.out.println(div);
11         System.out.println("hi");
12     System.out.println("bye code from remote");
13     System.out.println("Accepted our friends code");
14     System.out.println("alias check");
15
16
17
18     }
19
20     public void master() {
21         System.out.println("master blaster");
22         int n=10;
23         int k=20;
24         System.out.println("to check the diff between commits");
25
26         int salary=120000;
27
28         int age=25;
29         int salary=150000;
30
31         System.out.println("hi cart guys how are you");
32
33         int h1 =9000;
34
35     }
36
37 }
38
```

```
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/ClassicPage.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 "added another variable to the list"
[master e96cc2a] added another variable to the list
 1 file changed, 2 insertions(+)

karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git push origin master
To https://github.com/karanAtreya1986/GitHubCourse.git
 ! [rejected]        master -> master (fetch first)
error: failed to push some refs to 'https://github.com/karanAtreya1986/GitHubCourse.git'
hint: Updates were rejected because the remote contains work that you do
hint: not have locally. This is usually caused by another repository pushing
hint: to the same ref. You may want to first integrate the remote changes
hint: (e.g., 'git pull ...') before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.

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

It says there is change in same branch in remote so take latest pull.

Always take pull first whenever there is any change in the branches in remote end (especially your own branch).

Then do push after taking the latest code. You can only push the code to the corresponding remote branch when you have first taken the pull into the corresponding local branch.

```
karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git pull origin master
remote: Enumerating objects: 9, done.
remote: Counting objects: 100% (9/9), done.
remote: Compressing objects: 100% (5/5), done.
remote: Total 5 (delta 2), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (5/5), 842 bytes | 22.00 KiB/s, done.
From https://github.com/karanAtreya1986/GitHubCourse
 * branch            master     -> FETCH_HEAD
   ea2c79a..5f71e59  master     -> origin/master
Auto-merging src/Pages/ClassicPage.java
Merge made by the 'ort' strategy.
 src/Pages/ClassicPage.java | 2 ++
 1 file changed, 2 insertions(+)

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

```java
        int k1=200;
        int div=k1/k;
        System.out.println(div);
        System.out.println("hi");
    System.out.println("bye code from remote");
    System.out.println("Accepted our friends code");
    System.out.println("alias check");



    }

public void master() {
    System.out.println("master blaster");
    int n=10;
    int k=20;
    System.out.println("to check the diff between commits");

    int salary=120000;

    int age=25;
    int salary=150000;

    System.out.println("hi cart guys how are you");

    int h1 =9000;

System.out.println("hi master guys how are you");

System.out.println("lets see if we get a conflict here");

    }

public void blaster(){
    System.out.println("Sachin tendulkar");

}
```
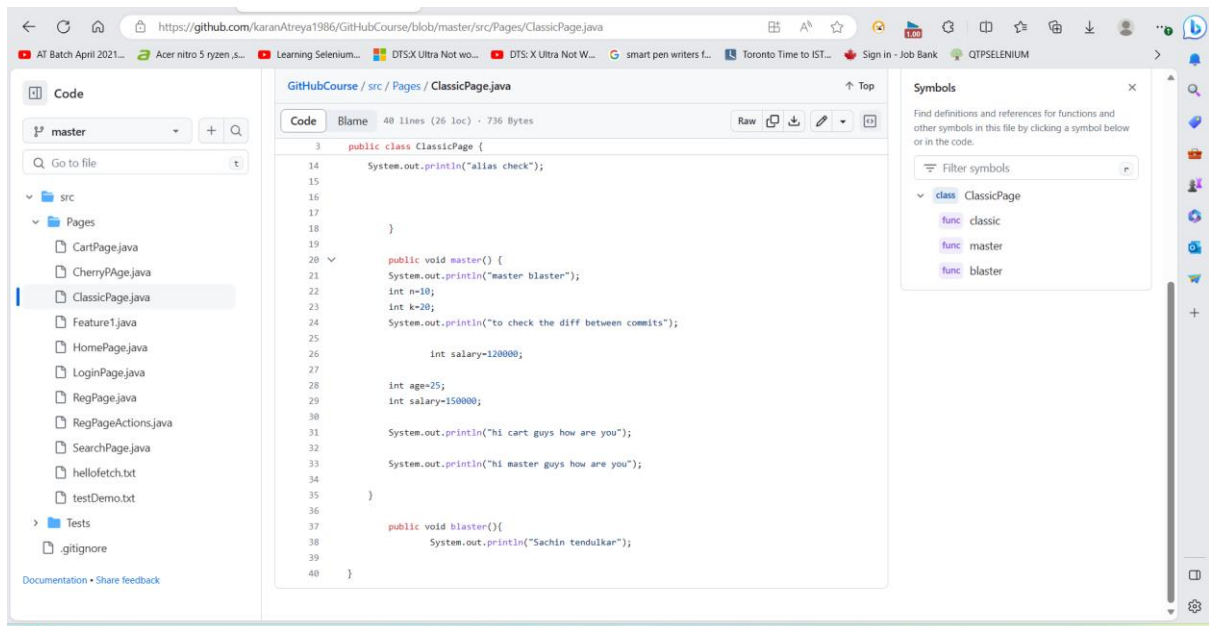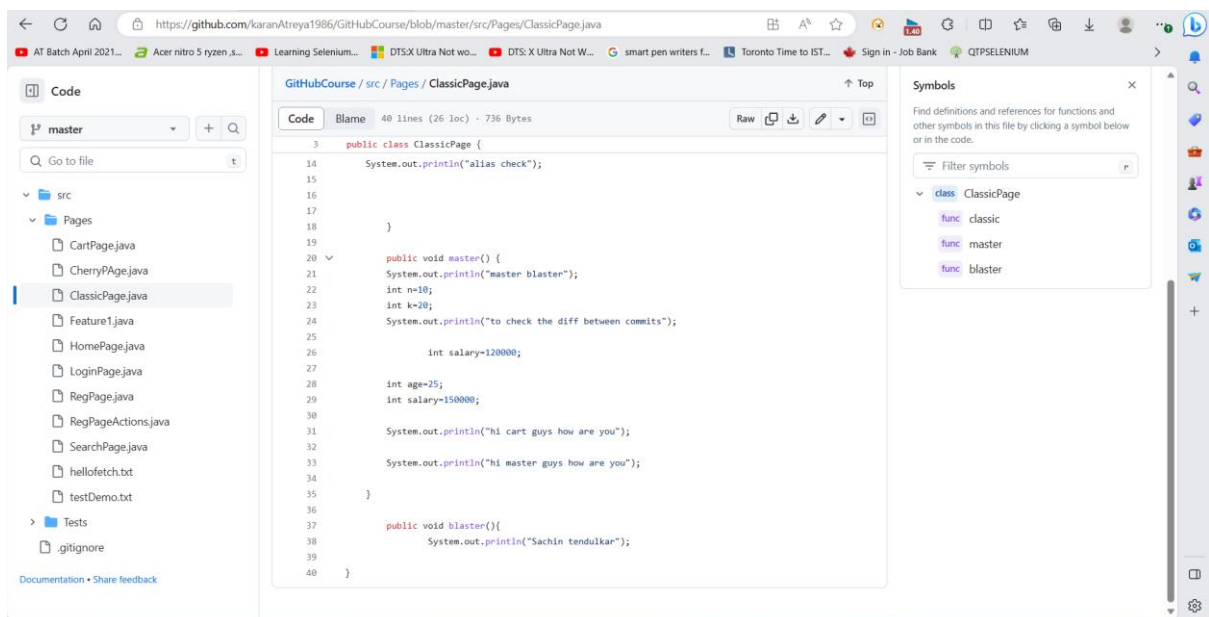
Problems ✕ @ Javadoc Declaration

2 errors, 6 warnings, 0 others
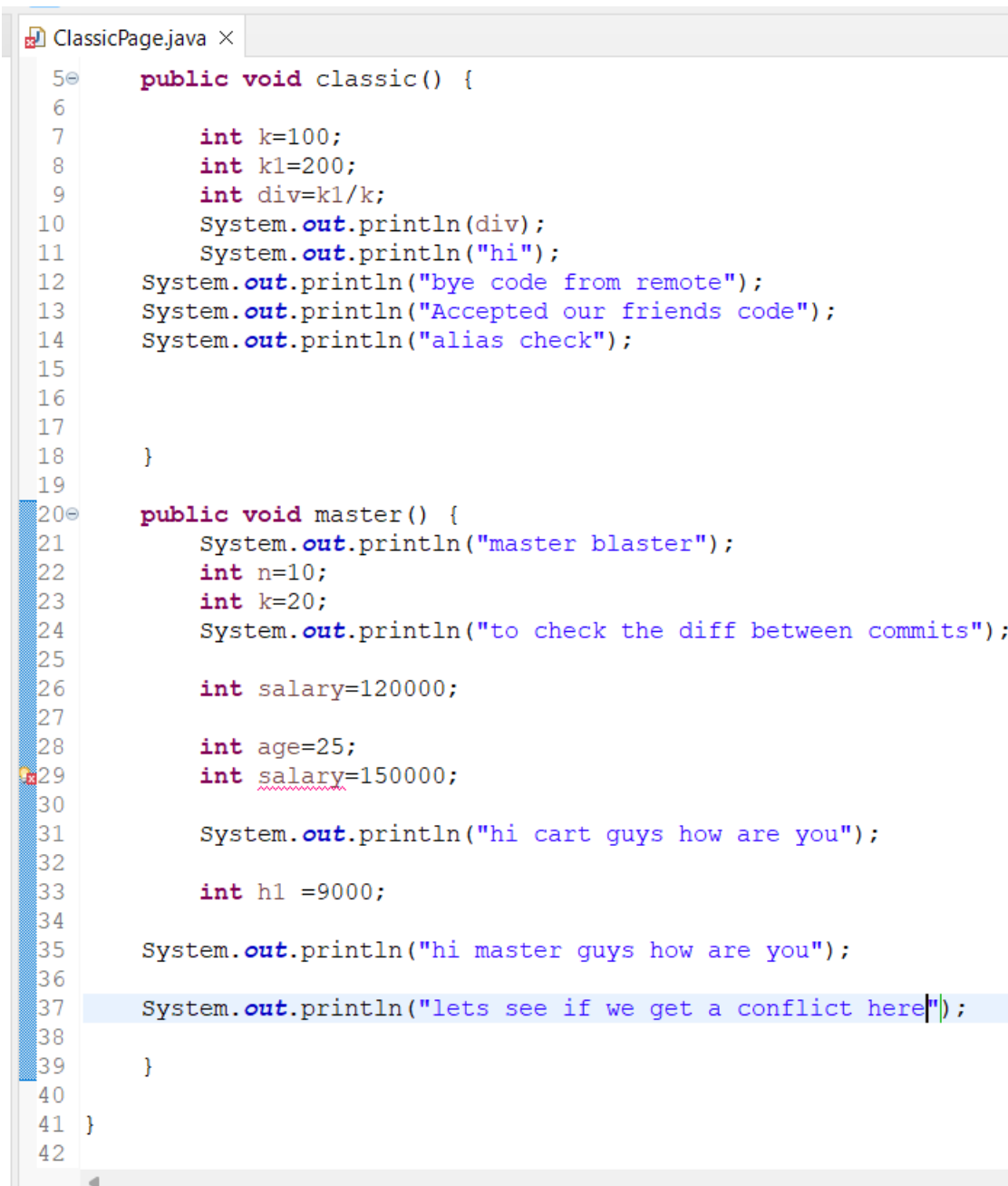
Description	Resource	Path	Loc

Code added in remote branch-

Code added here in local also at the same time -

ClassicPage.java ×

```java
 5⊖      public void classic() {
 6
 7          int k=100;
 8          int k1=200;
 9          int div=k1/k;
10          System.out.println(div);
11          System.out.println("hi");
12      System.out.println("bye code from remote");
13      System.out.println("Accepted our friends code");
14      System.out.println("alias check");
15
16
17
18      }
19
20⊖      public void master() {
21          System.out.println("master blaster");
22          int n=10;
23          int k=20;
24          System.out.println("to check the diff between commits");
25
26          int salary=120000;
27
28          int age=25;
29          int salary=150000;
30
31          System.out.println("hi cart guys how are you");
32
33          int h1 =9000;
34
35      System.out.println("hi master guys how are you");
36
37      System.out.println("lets see if we get a conflict here");
38
39      }
40
41 }
42
```

Awesome git has solved the conflict issue which can come-

```
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/ClassicPage.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 "updated code in local and remote at the same time"
[master e873848] updated code in local and remote at the same time
 1 file changed, 3 insertions(+), 1 deletion(-)

karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git push origin master
To https://github.com/karanAtreya1986/GitHubCourse.git
 ! [rejected]        master -> master (fetch first)
error: failed to push some refs to 'https://github.com/karanAtreya1986/GitHubCourse.git'
hint: Updates were rejected because the remote contains work that you do
hint: not have locally. This is usually caused by another repository pushing
hint: to the same ref. You may want to first integrate the remote changes
hint: (e.g., 'git pull ...') before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.

karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git pull origin master
remote: Enumerating objects: 9, done.
remote: Counting objects: 100% (9/9), done.
remote: Compressing objects: 100% (5/5), done.
remote: Total 5 (delta 2), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (5/5), 876 bytes | 28.00 KiB/s, done.
From https://github.com/karanAtreya1986/GitHubCourse
 * branch            master     -> FETCH_HEAD
   5f71e59..b04d301  master     -> origin/master
Auto-merging src/Pages/ClassicPage.java
Merge made by the 'ort' strategy.
 src/Pages/ClassicPage.java | 3 +++
 1 file changed, 3 insertions(+)

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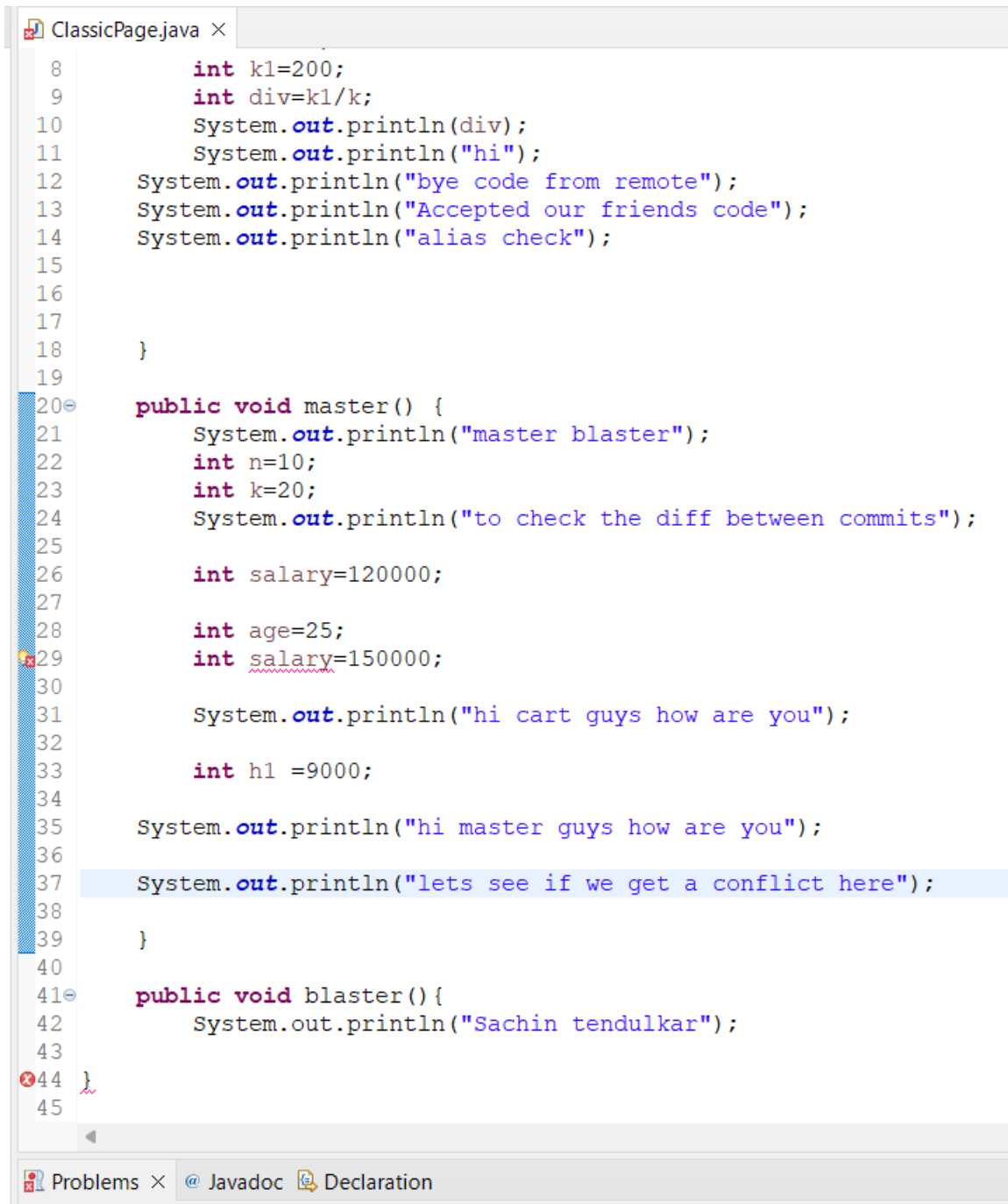
Code updated nicely-

```
ClassicPage.java ×

  8            int k1=200;
  9            int div=k1/k;
 10            System.out.println(div);
 11            System.out.println("hi");
 12        System.out.println("bye code from remote");
 13        System.out.println("Accepted our friends code");
 14        System.out.println("alias check");
 15
 16
 17
 18        }
 19
 20⊖     public void master() {
 21            System.out.println("master blaster");
 22            int n=10;
 23            int k=20;
 24            System.out.println("to check the diff between commits");
 25
 26            int salary=120000;
 27
 28            int age=25;
 29            int salary=150000;
 30
 31            System.out.println("hi cart guys how are you");
 32
 33            int h1 =9000;
 34
 35        System.out.println("hi master guys how are you");
 36
 37        System.out.println("lets see if we get a conflict here");
 38
 39        }
 40
 41⊖     public void blaster(){
 42            System.out.println("Sachin tendulkar");
 43
 44  }
 45
```

Problems ×   @ Javadoc   Declaration

Remote also updated nicely-
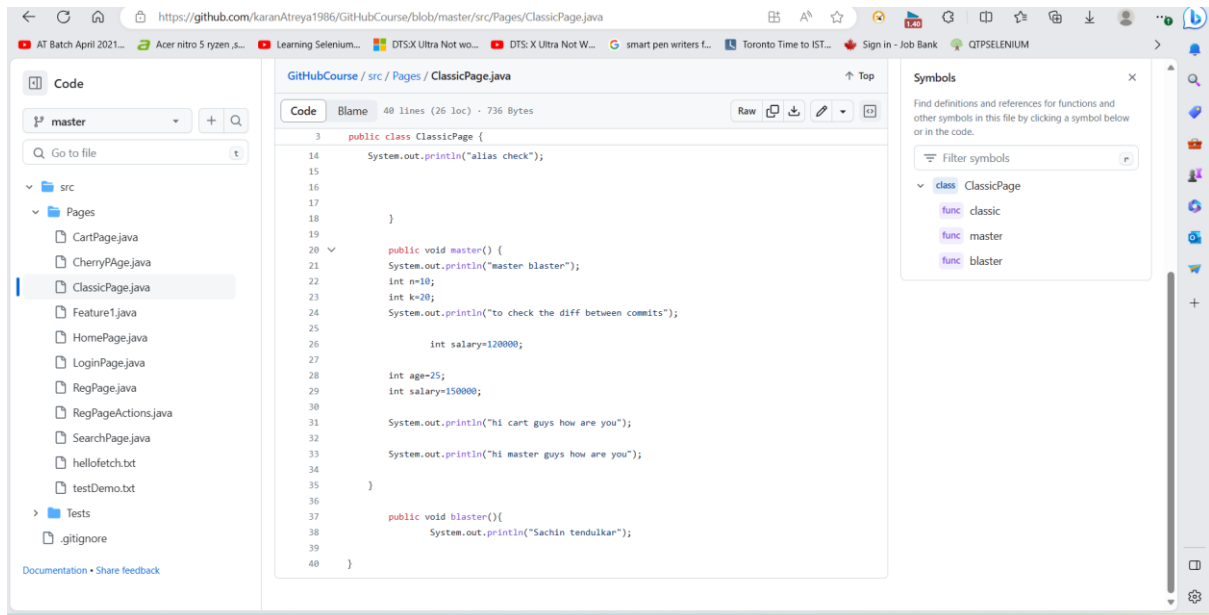
In naveens machine there is conflict-

When remote is already updated and then local is updated.

```
ClassicPage.java ⊠
13          String name = "Naveen";
14          int age = 25;
15          int sal = 15;
16
17          System.out.println("Hi Cart");
18          int h = 10;
19      }
20
21 <<<<<<< HEAD
22 =======
23      public void master() {
24
25          System.out.println("Hi master");
26
27      }
28
29 >>>>>>> 41779ed9252a552359b73337e1e18c20c3e49ab0
30
31
32
33 }
34
```

Console ⊠
<terminated> July2021POMSeries_src.test.resources.testrunners.testng_regression.xml [TestNG] /Library/Java/JavaVirtualMachines/jdk1.8.0_261.jdk/Contents/Home/bin/java (27

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```java
       int k = 100;
       int k1 = 200;
       int div = k1 / k;
       System.out.println(div);
       System.out.println("Bye");

       String name = "Naveen";
       int age = 25;
       int sal = 15;

       System.out.println("Hi Cart");
       int h = 10;
   }


   public void master() {

       System.out.println("Hi master");

   }
```
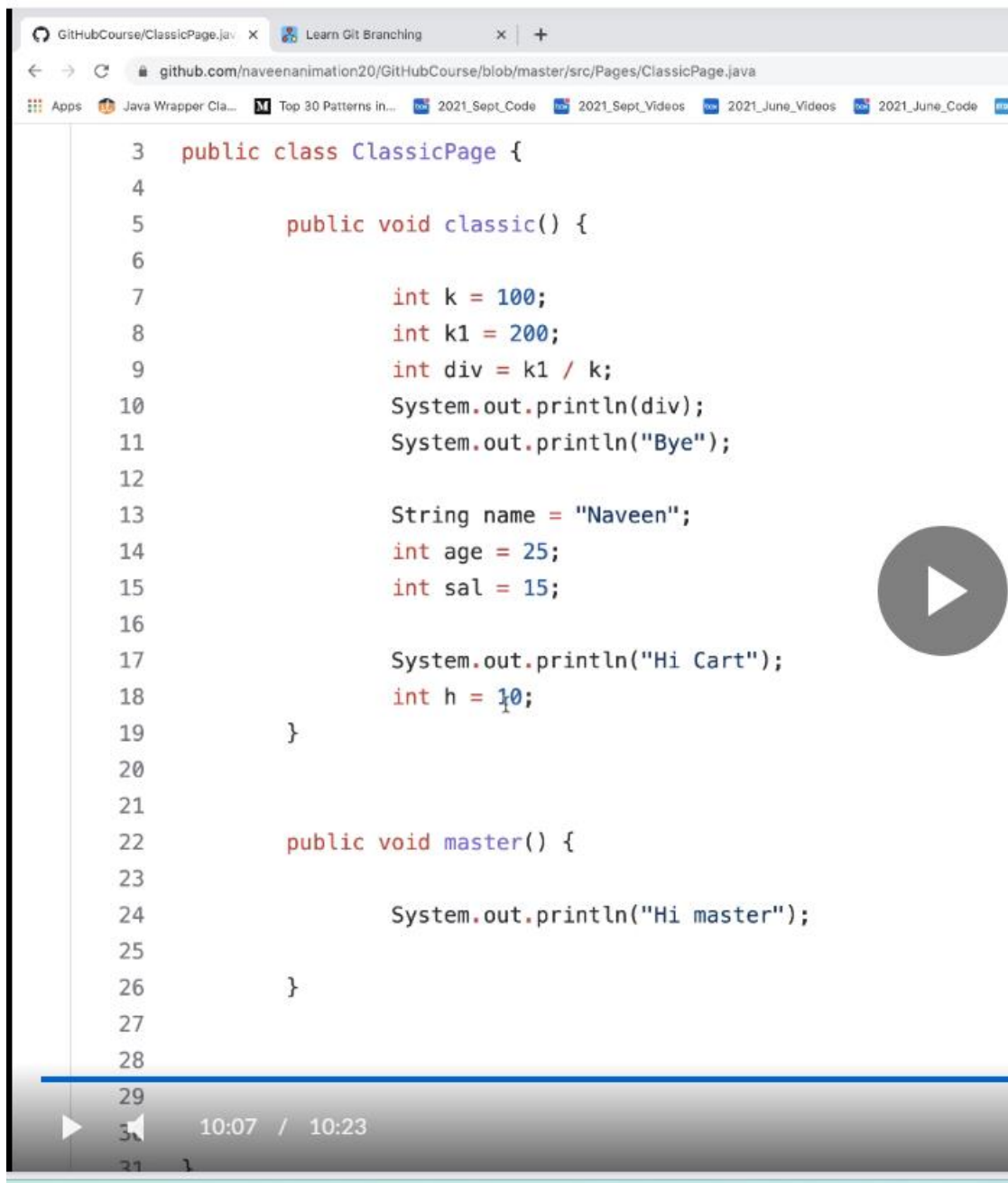
```
→  GitHubPractice git:(master) × git add .
→  GitHubPractice git:(master) × git commit -m "updated one var"
[master bf44b2e] updated one var
→  GitHubPractice git:(master) git push origin master
Enumerating objects: 18, done.
Counting objects: 100% (18/18), done.
Delta compression using up to 12 threads
Compressing objects: 100% (10/10), done.
Writing objects: 100% (10/10), 898 bytes | 898.00 KiB/s, done.
Total 10 (delta 4), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (4/4), completed with 2 local objects.
To https://github.com/naveenanimation20/GitHubCourse.git
   41779ed..bf44b2e  master -> master
→  GitHubPractice git:(master)
```

Refresh-

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```java
3    public class ClassicPage {
4
5        public void classic() {
6
7            int k = 100;
8            int k1 = 200;
9            int div = k1 / k;
10           System.out.println(div);
11           System.out.println("Bye");
12
13           String name = "Naveen";
14           int age = 25;
15           int sal = 15;
16
17           System.out.println("Hi Cart");
18           int h = 10;
19       }
20
21
22       public void master() {
23
24           System.out.println("Hi master");
25
26       }
27
28
29
30
31   }
```

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