

## Edit code-

```

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    public void master() {
20        System.out.println("master blaster");
21        int n=10;
22        int k=20;
23        System.out.println("to check the diff between commits");
24        int age=25;
25        int salary=120000;
26    }
27
28
29 }
30

```

Remote end also code updated at same time-

```

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    public void master() {
20        System.out.println("master blaster");
21        int n=10;
22        int k=20;
23        System.out.println("to check the diff between commits");
24        int salary=120000;
25    }
26
27
28 }

```

Merge denied-

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

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

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

Code gone-

```

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
27 }
28

```

```

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-

```

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        int salary=120000;
26    }
27
28 }
29

```

```

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

```

Merge conflict-

```
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        <<<<< 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-

```

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-H560VJTV 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-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 add .

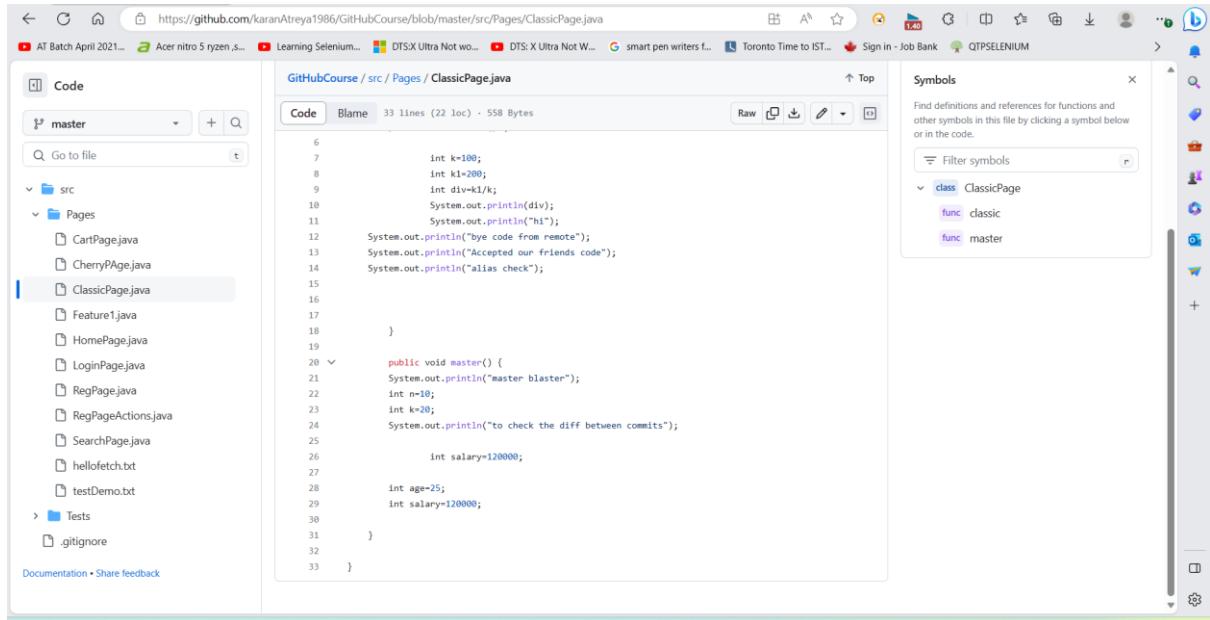
karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git commit -m "after conflict resolution added to master"
[master 9428157] after conflict resolution added to master
 1 file changed, 5 insertions(+)

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

```

Refresh-



Updated line 29-

```
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
32
33 }
34 }
```

```

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 salary variable value"
[master 9960157] updated salary variable value
 1 file changed, 1 insertion(+), 1 deletion(-)

karan@LAPTOP-H560VJTV 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), 462 bytes | 462.00 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
 9428157..9960157  master -> master

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

```

Refresh and no conflict at remote end-

```

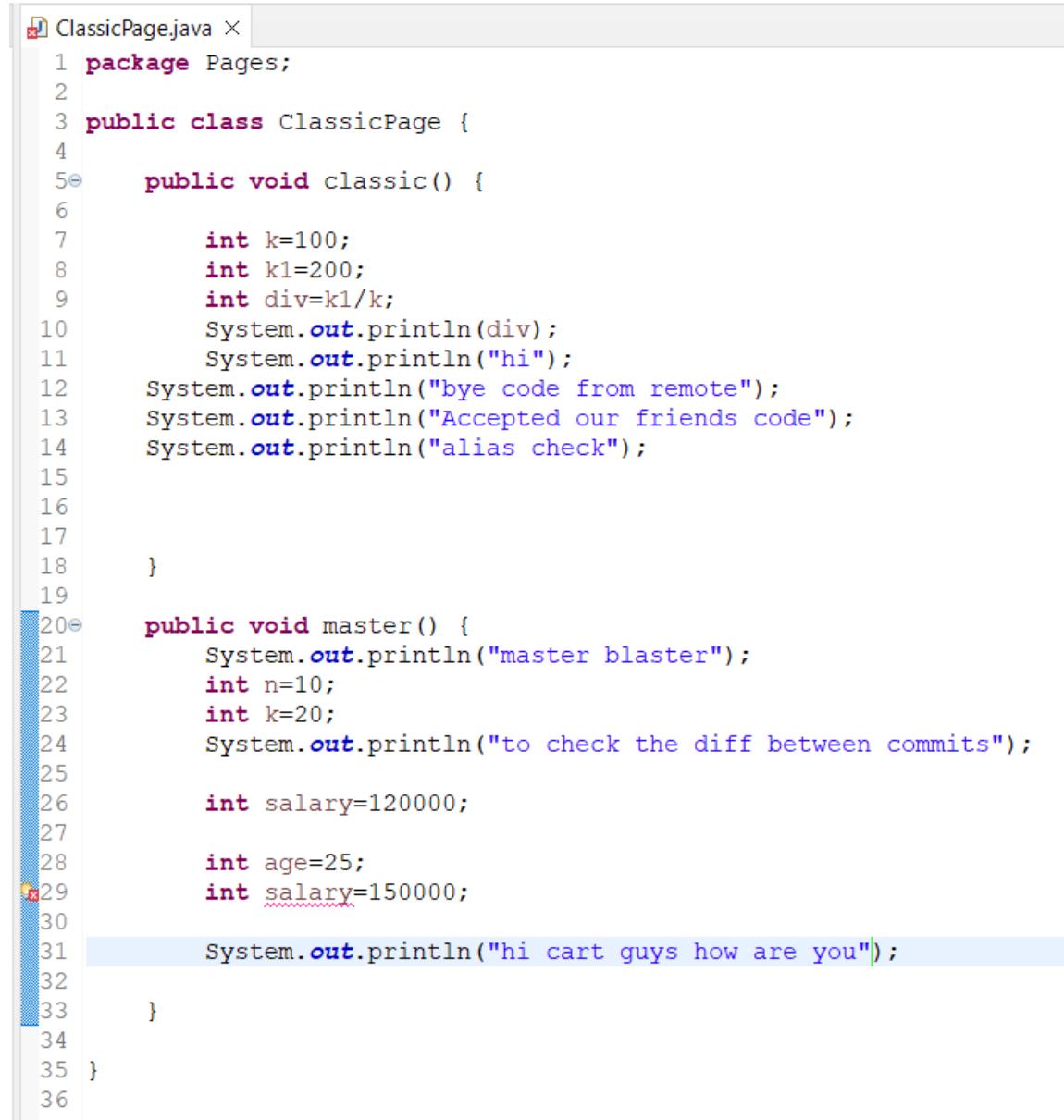
GitHubCourse / src / Pages / ClassicPage.java
Code Blame 33 lines (22 loc) · 558 Bytes
6
7         int k=100;
8         int k1=200;
9         int div=k1/k;
10        System.out.println(div);
11        System.out.println("hi");
12        System.out.println("bye code from remote");
13        System.out.println("Accepted 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    }
32
33

```

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-



The screenshot shows a Java code editor with a file named "ClassicPage.java". The code contains two methods: "classic()" and "master()". In the "classic()" method, line 31 has been modified from "System.out.println("hi cart guys how are you");" to "System.out.println("hi cart guys how are you")";". This change creates a conflict, indicated by the extra closing parenthesis in the local copy. The code editor highlights the conflict in blue. The file has 36 lines of code, with lines 1 through 19 and 32 through 35 being standard Java imports and class definitions.

```
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-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 .

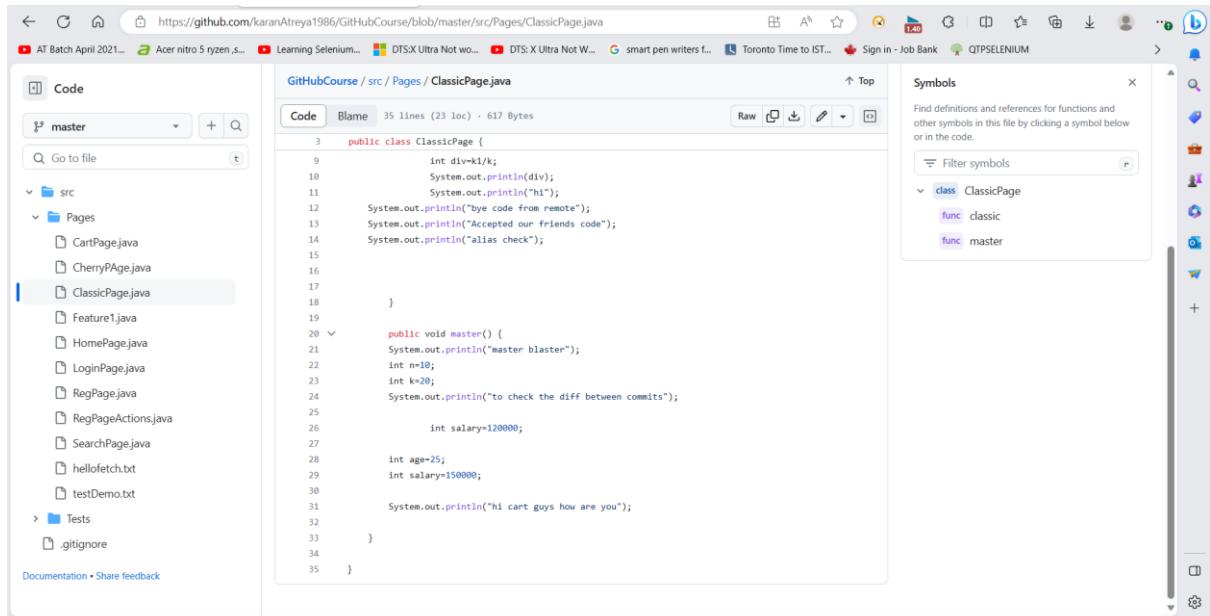
karan@LAPTOP-H560VJTV MINGW64 /e/Naveen_GIT_Training/GIT_Training/GitHubPractice (master)
$ git commit -m "updated the code again"
[master ea2c79a] updated the code again
 1 file changed, 2 insertions(+)

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

```

Refresh-



Updated master directly-

The screenshot shows a GitHub code editor interface. The URL in the address bar is <https://github.com/karanAtreya1986/GitHubCourse/blob/master/src/Pages/ClassicPage.java>. The repository name is GitHubCourse, and the file path is src / Pages / ClassicPage.java. The code editor displays the content of the ClassicPage.java file, which contains Java code for a class named ClassicPage. The code includes various println statements and variable declarations. On the left, there is a sidebar showing the project structure with files like CartPage.java, CherryPAge.java, Feature1.java, HomePage.java, LoginPage.java, RegPage.java, RegPageActions.java, SearchPage.java, hellofetch.txt, testDemo.txt, Tests, and .gitignore. The file ClassicPage.java is currently selected.

```
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-

```
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

```

```
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

2 errors, 6 warnings, 0 others

Description	Resource	Path	Loc
-------------	----------	------	-----

The screenshot shows a GitHub code editor interface. On the left, there's a sidebar with a 'Code' tab selected, showing a tree view of files: 'master' (selected), 'src' (expanded), 'Pages' (expanded), and several Java files like 'CartPage.java', 'CherryPAge.java', etc. Below that is a '.gitignore' file and a 'Tests' folder. At the bottom, there's a 'Documentation • Share feedback' link.

The main area displays the content of 'ClassicPage.java'. The code defines a class 'ClassicPage' with methods 'master()' and 'blaster()'. The 'master()' method prints various messages and initializes variables. The 'blaster()' method prints a specific message.

```
public class ClassicPage {
    public void master() {
        System.out.println("alias check");
        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");
        System.out.println("hi master guys how are you");
    }
    public void blaster(){
        System.out.println("Sachin tendulkar");
    }
}
```

To the right of the code editor is a 'Symbols' panel with a search bar and a list of symbols from the current file: 'classic', 'master', and 'blaster'. A 'Filter symbols' dropdown is also present.

Code added in remote branch-

The screenshot shows the GitHub Code view for a Java file named `ClassicPage.java`. The file contains the following code:

```
public class ClassicPage {
    public void master() {
        System.out.println("alias check");
        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");
        System.out.println("hi master guys how are you");
    }
    public void blaster(){
        System.out.println("Sachin tendulkar");
    }
}
```

The GitHub interface includes a sidebar with navigation links like "Code", "Issues", "Pull requests", and "Commits". On the right, there's a "Symbols" sidebar that lists symbols from the code: `ClassicPage`, `classic`, `master`, and `blaster`. A "Filter symbols" input field is also present.

Code added here in local also at the same time -

The screenshot shows a Java code editor with a file named "ClassicPage.java". The code contains two methods: "classic()" and "master()". The "classic()" method prints several messages to the console. The "master()" method prints messages and defines variables for salary and age. A conflict is visible in the "master()" method at line 37, where the line "System.out.println("lets see if we get a conflict here");" is partially highlighted in blue, indicating it is a merge conflict from another branch.

```
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-

```

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 X @ Javadoc Declaration

Remote also updated nicely-

```

public class ClassicPage {
    public void master() {
        System.out.println("alias check");
        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");
        System.out.println("hi master guys how are you");
    }
    public void blaster(){
        System.out.println("Sachin tendulkar");
    }
}

```

In naveens machine there is conflict-

When remote is already updated and then local is updated.

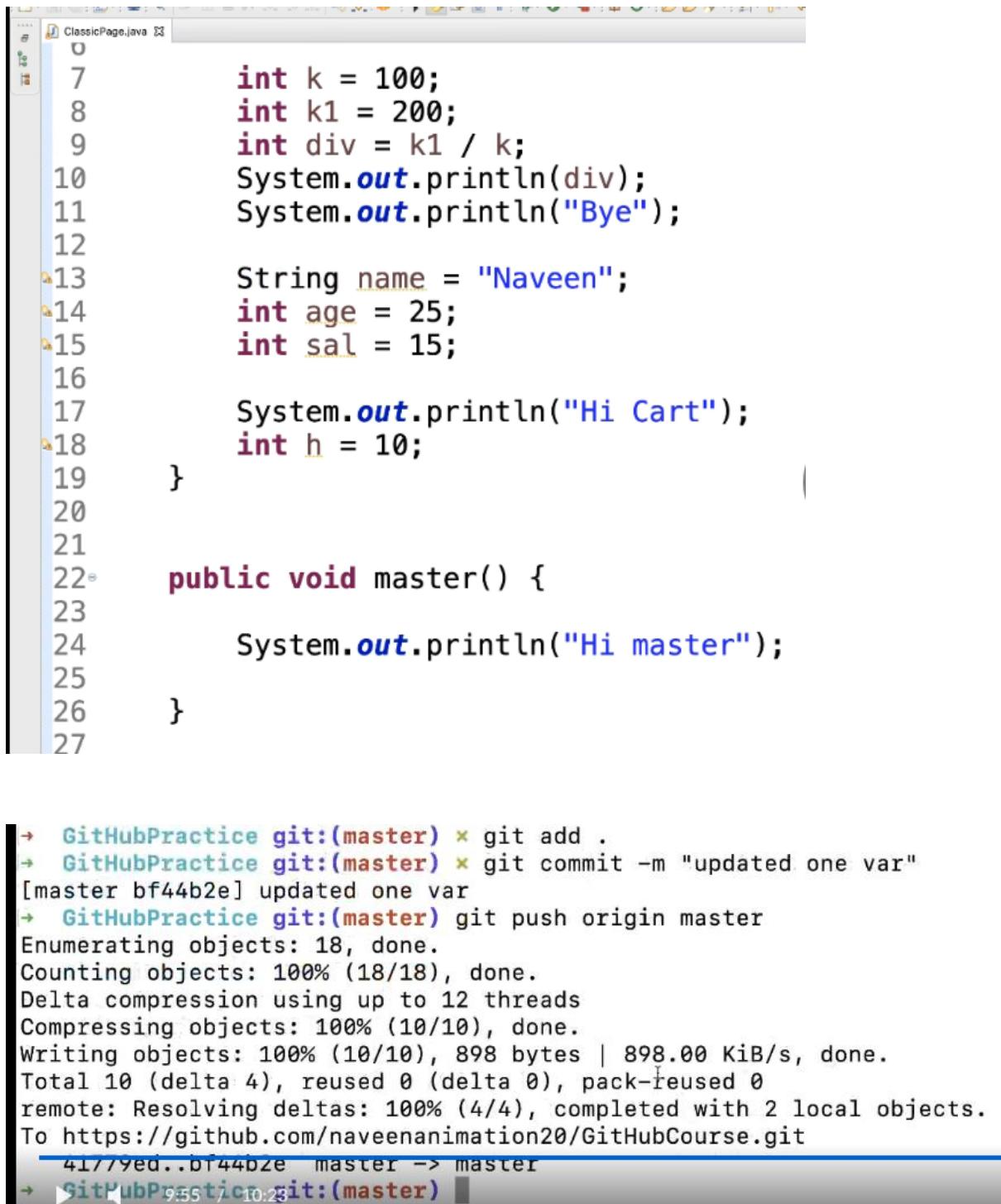
```

→ GitHubPractice git:(master) ✘ git add .
→ GitHubPractice git:(master) ✘ git commit -m "updated one var"
[master d32f342] updated one var
 1 file changed, 3 insertions(+)
→ GitHubPractice git:(master) git push origin master
To https://github.com/naveenanimation20/GitHubCourse.git
! [rejected]      master -> master (fetch first)
error: failed to push some refs to 'https://github.com/naveenanimation20/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.
→ GitHubPractice git:(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), 862 bytes | 287.00 KiB/s, done.
From https://github.com/naveenanimation20/GitHubCourse
 * branch            master    -> FETCH_HEAD
   9d9cbb5..41779ed  master    -> origin/master
Auto-merging src/Pages/ClassicPage.java
CONFLICT (content): Merge conflict in src/Pages/ClassicPage.java
Automatic merge failed; fix conflicts and then commit the result.
→ GitHubPractice git:(master) ✘

```

```
ClassicPage.java ⑤
15     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 ⑥
<terminated> July2021POMSeries_src.test.resources.testng_regression.xml [TestNG] /Library/Java/JavaVirtualMachines/jdk1.8.0_261.jdk/Contents/Home/bin/java (2)
```



The screenshot shows a Java development environment. The code editor displays the following Java code:

```

0
1     int k = 100;
2     int k1 = 200;
3     int div = k1 / k;
4     System.out.println(div);
5     System.out.println("Bye");
6
7     String name = "Naveen";
8     int age = 25;
9     int sal = 15;
10
11    System.out.println("Hi Cart");
12    int h = 10;
13
14}
15
16
17
18
19
20
21
22 public void master() {
23
24     System.out.println("Hi master");
25
26 }
27

```

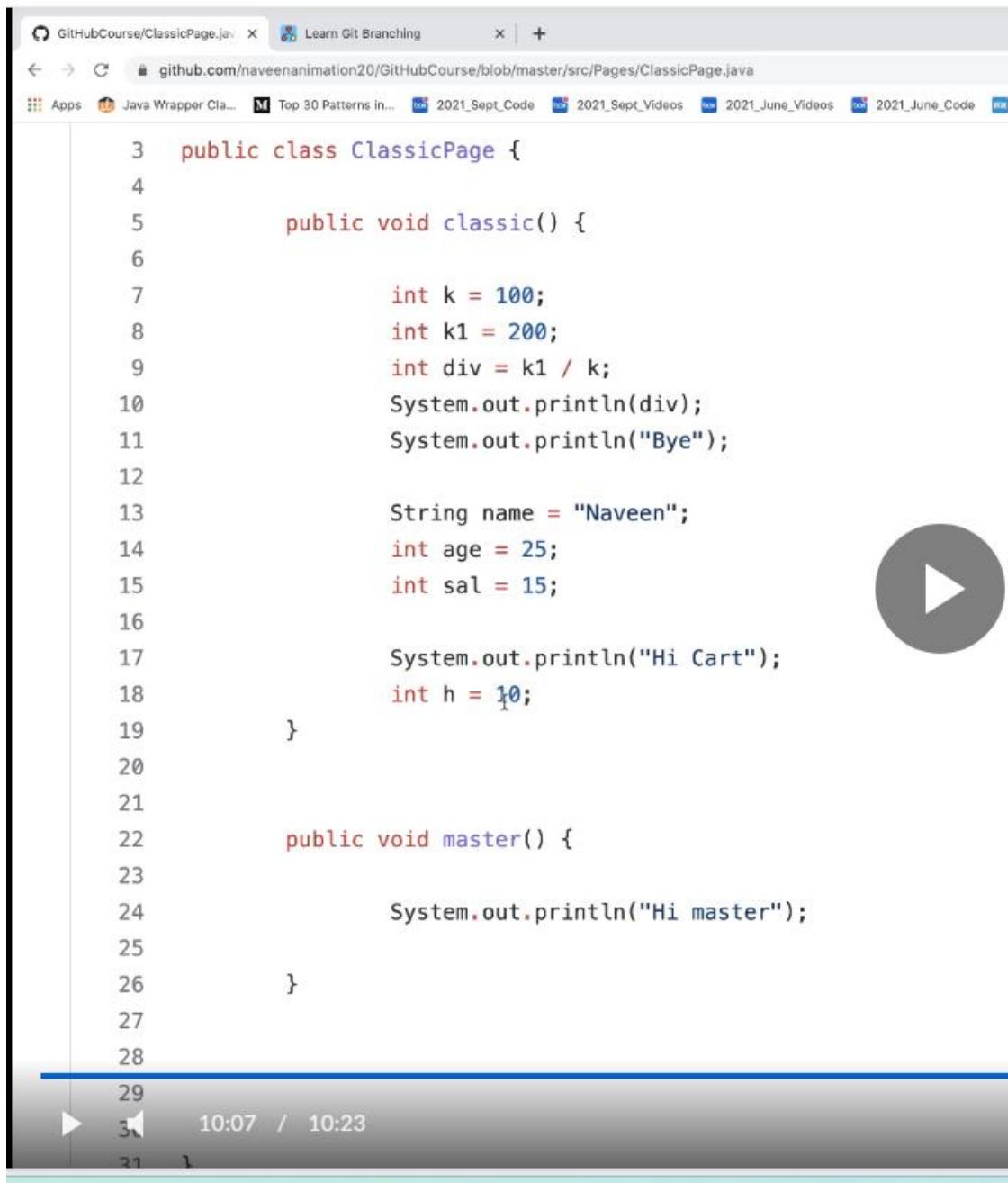
Below the code editor is a terminal window showing the output of a Git session:

```

→ 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-



The screenshot shows a video player interface displaying a Java code snippet from a GitHub repository. The code is contained within a class named `ClassicPage`. It contains two methods: `classic()` and `master()`. The `classic()` method performs several operations including printing variables `k`, `k1`, and `div`, and printing "Bye". It also prints "Hi Cart" and initializes variable `h`. The `master()` method prints "Hi master". The video player has a play button icon in the center of the video frame.

```
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  1
```