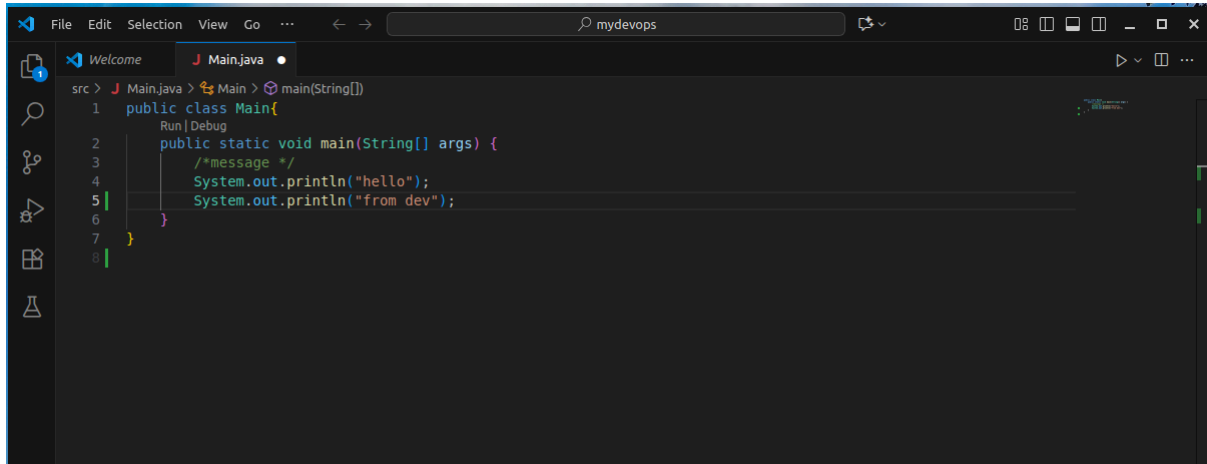


Atelier Devops

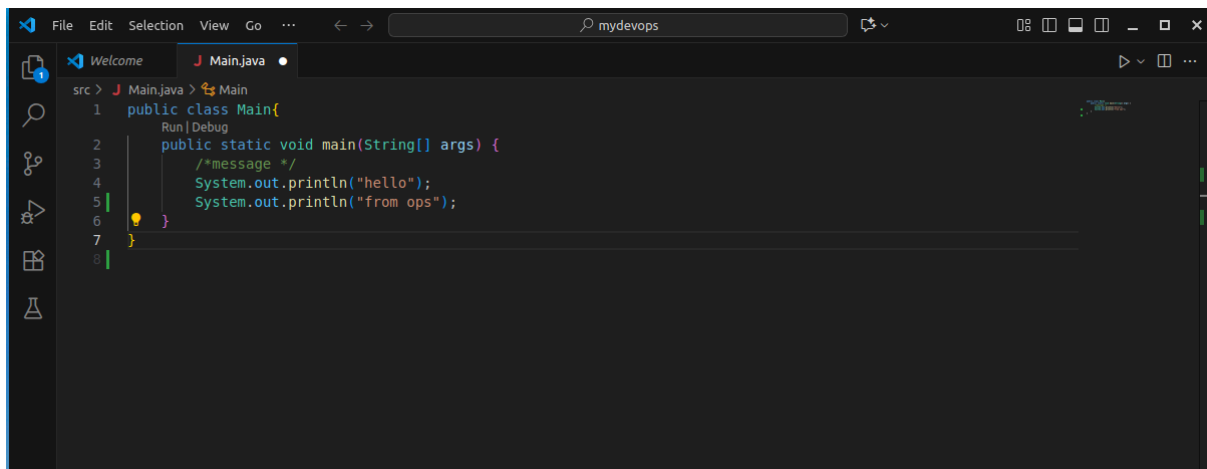
(ce travail est réalisé par Ahmed kamel benzid, ahmed bouafif, ons nasri)

1) Octopus:



```
src > J Main.java > Main > main(String[])
1 public class Main{
2     public static void main(String[] args) {
3         /*message */
4         System.out.println("hello");
5         System.out.println("from dev");
6     }
7 }
8
```

```
• vboxuser@UBUNTU:~/Desktop/mydevops$ git checkout dev
Switched to branch 'dev'
• vboxuser@UBUNTU:~/Desktop/mydevops$ git add .
• vboxuser@UBUNTU:~/Desktop/mydevops$ git commit -m "changeeeeeement dans dev"
[dev 81ff5a9] changeeeeeement dans dev
1 file changed, 2 insertions(+), 1 deletion(-)
```



```
src > J Main.java > Main
1 public class Main{
2     public static void main(String[] args) {
3         /*message */
4         System.out.println("hello");
5         System.out.println("from ops");
6     }
7 }
8
```

```
• vboxuser@UBUNTU:~/Desktop/mydevops$ git checkout ops
Switched to branch 'ops'
• vboxuser@UBUNTU:~/Desktop/mydevops$ git add .
• vboxuser@UBUNTU:~/Desktop/mydevops$ git commit -m "from ops"
[ops 8633648] from ops
1 file changed, 1 insertion(+)
```

```
src > J Main.java > ...
1 public class Main{
2     Run | Debug
3     public static void main(String[] args) {
4         /*message */
5         System.out.println("hello");
6         Accept Current Change | Accept Incoming Change | Accept Both Changes | Compare Changes
7         <<<<<< .merge_file plCFP4 (Current Change)
8         System.out.println("from dev");
9         =====
10        System.out.println("from ops");
11        >>>>>> .merge_file BVSSN7 (Incoming Change)
12    }
13 }
14 }

Resolve in Merge Editor

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS
[ops 0000000] from ops
1 file changed, 1 insertion(+)
vboxuser@UBUNTU:~/Desktop/mydevops$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origine/master'.
vboxuser@UBUNTU:~/Desktop/mydevops$ git merge -s octopus dev ops
Fast-forwarding to: dev
Trying simple merge with ops
Simple merge did not work, trying automatic merge.
Auto-merging src/Main.java
ERROR: content conflict in src/Main.java
fatal: merge program failed
Automatic merge failed; fix conflicts and then commit the result.
vboxuser@UBUNTU:~/Desktop/mydevops$
```

2) Rebase:

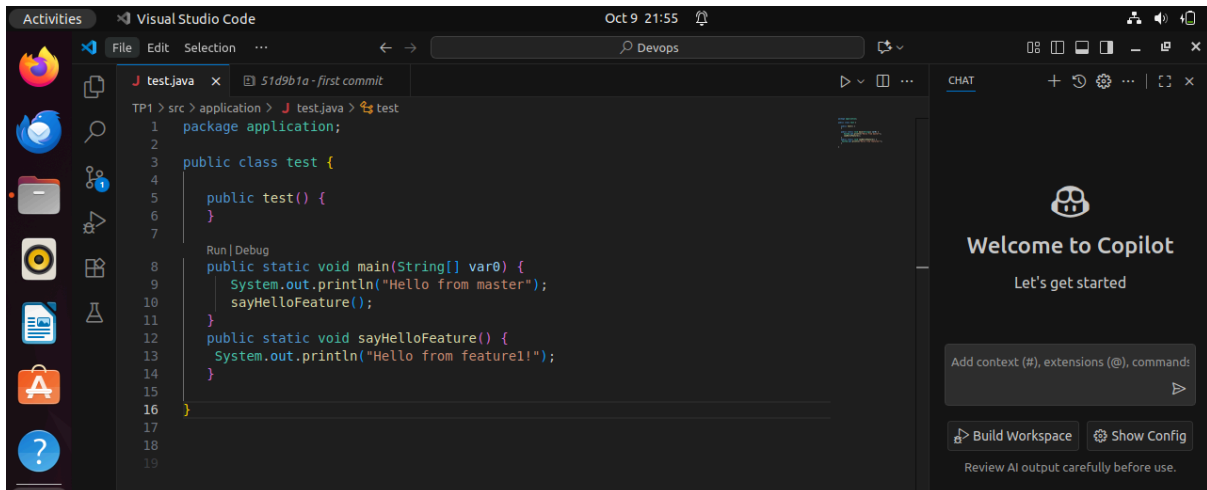
```
Activities Visual Studio Code Oct 9 21:48
File Edit Selection ... Devops
Explorer (Ctrl+Shift+E) 51d9b1a - first commit
TP1 > src > application > J test.java > test
1 package application;
2
3 public class test {
4
5     public test() {
6     }
7
8     Run | Debug
9     public static void main(String[] var0) {
10        System.out.println("Hello from master");
11    }
12
13
14

CHAT
Welcome to Copilot
Let's get started
Add context (#), extensions (@), commands:
Build Workspace Show Config
Review AI output carefully before use.

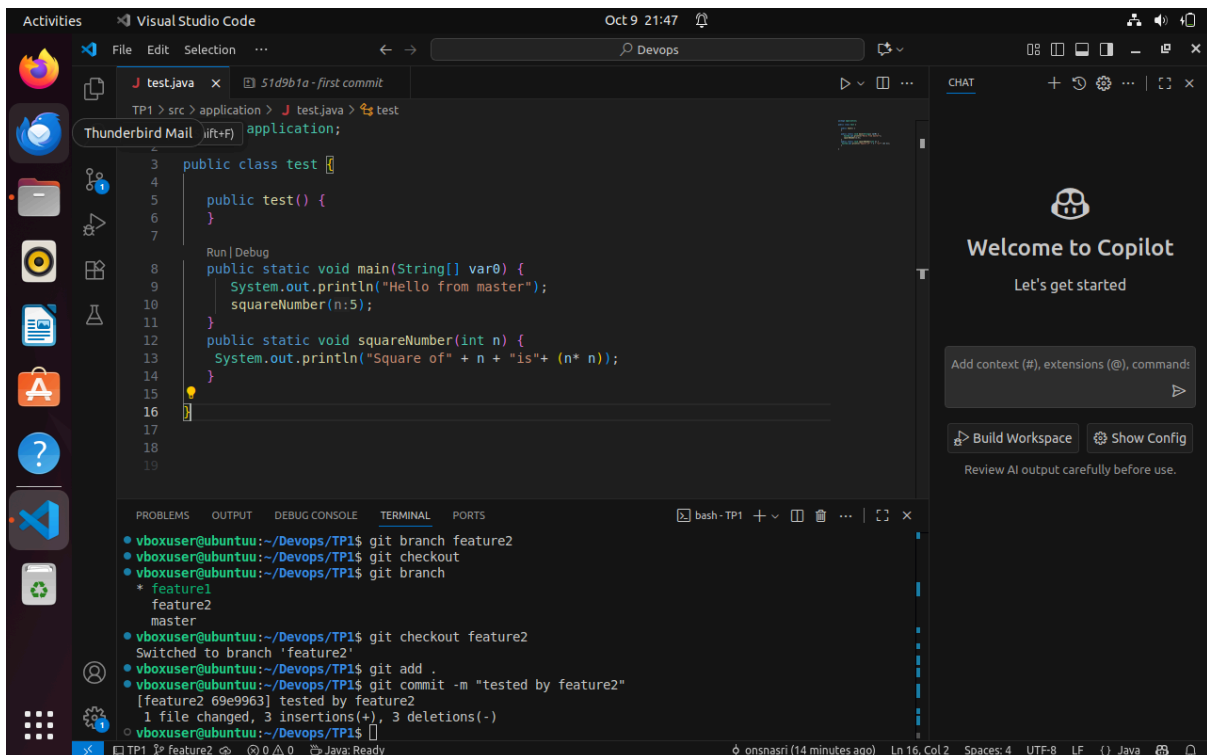
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
vboxuser@ubuntu:~/Devops/TP1$ git branch
* feature1
feature2
master
vboxuser@ubuntu:~/Devops/TP1$ git checkout feature2
Switched to branch 'feature2'
vboxuser@ubuntu:~/Devops/TP1$ git add .
vboxuser@ubuntu:~/Devops/TP1$ git commit -m "tested by feature2"
[feature2 69e9963] tested by feature2
1 file changed, 3 insertions(+), 3 deletions(-)
vboxuser@ubuntu:~/Devops/TP1$ git checkout master
Switched to branch 'master'
vboxuser@ubuntu:~/Devops/TP1$

TP1 master 0 0 Java: Ready
```

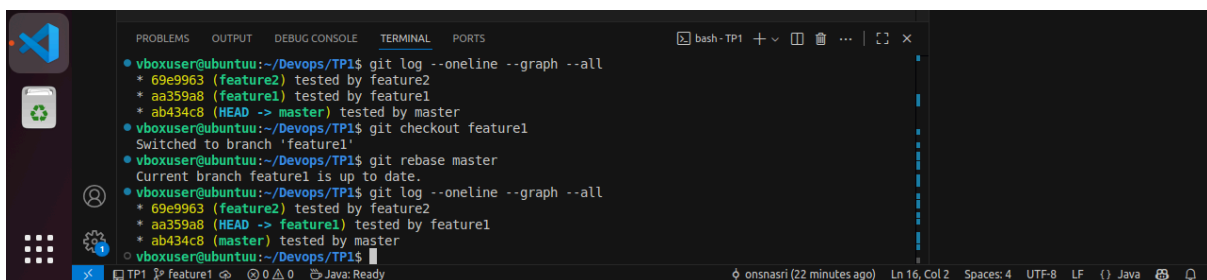
C'est le code dans le master



C'est le code dans la branche feature1

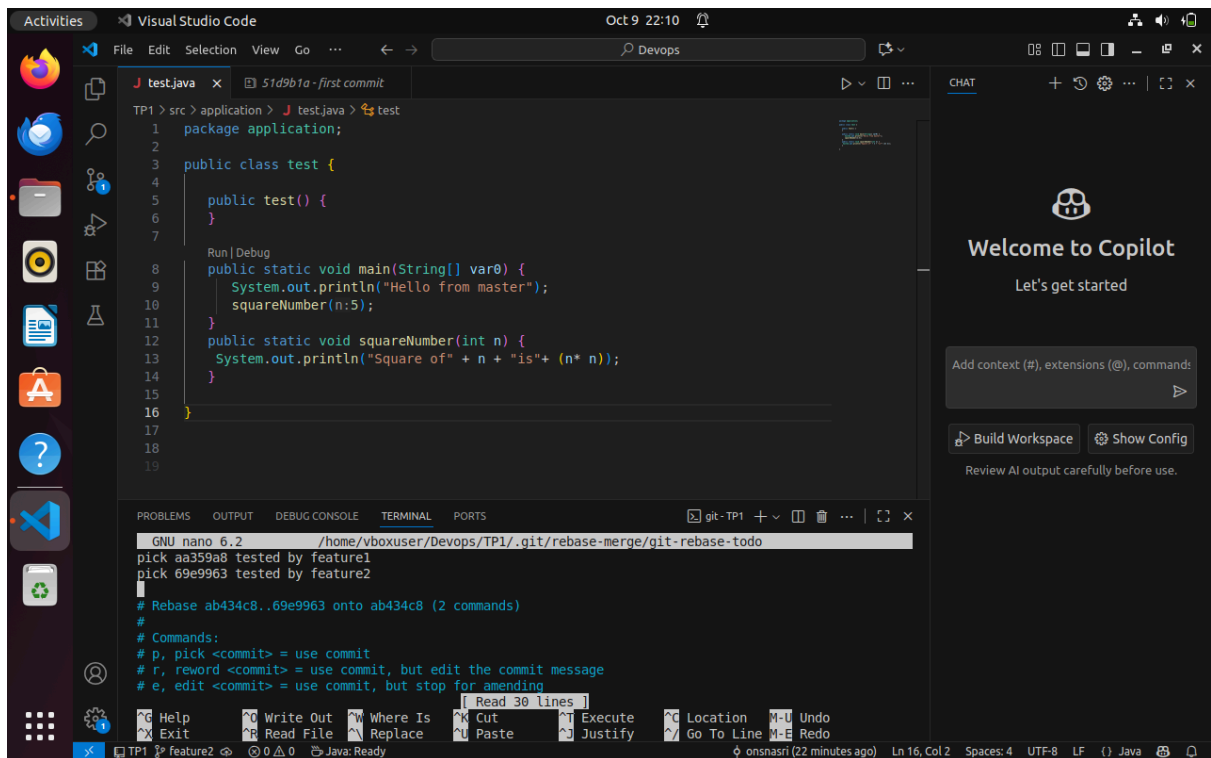


C'est le code dans la branche feature2



en se basant dans feature1 et fusionner le master avec rebase on remarque que head pointe sur feature1 à la place de master.

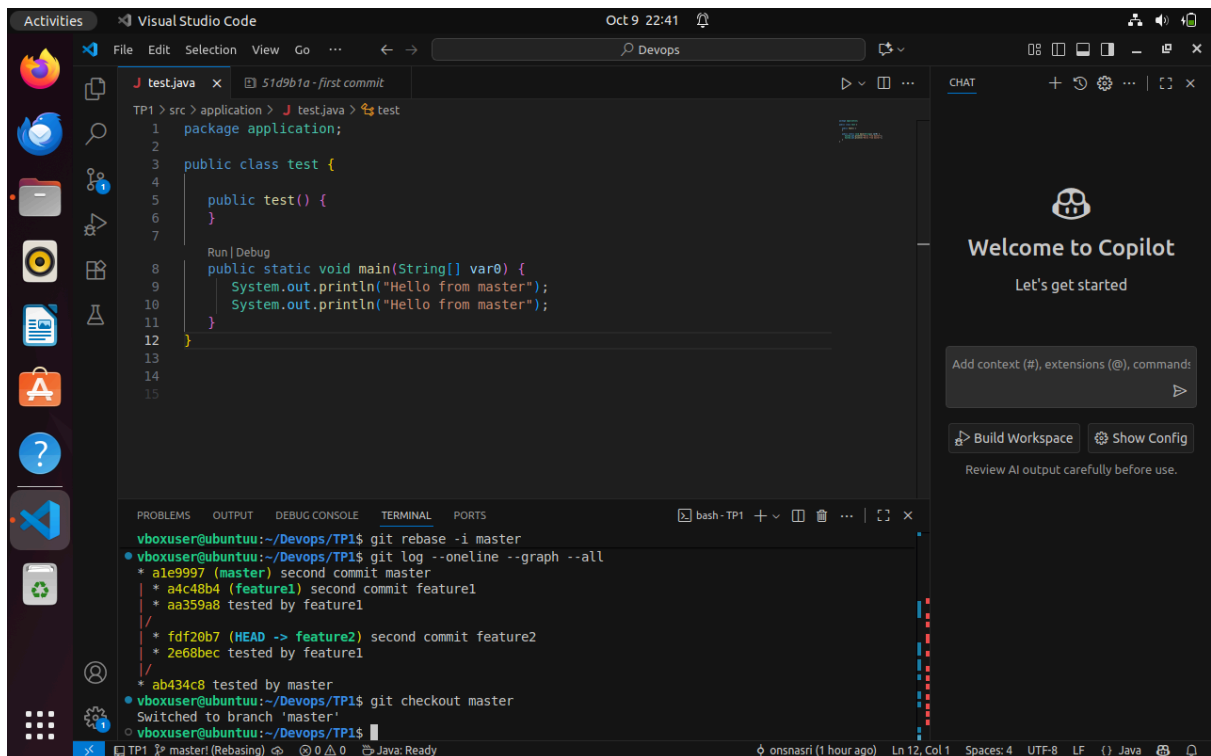
3) Squash:



```
TP1 > src > application > J test.java > test
1 package application;
2
3 public class test {
4
5     public test() {
6     }
7
8     Run | Debug
9     public static void main(String[] var0) {
10         System.out.println("Hello from master");
11         squareNumber(n:5);
12     }
13     public static void squareNumber(int n) {
14         System.out.println("Square of" + n + "is" + (n* n));
15     }
16 }
17
18
19
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
/home/vboxuser/Devops/TP1/.git/rebase-merge/git-rebase-todo
pick aa359a8 tested by feature1
pick 69e9963 tested by feature2
# Rebase ab434c8..69e9963 onto ab434c8 (2 commands)
#
# Commands:
# p, pick <commit> = use commit
# r, reword <commit> = use commit, but edit the commit message
# e, edit <commit> = use commit, but stop for amending
# Read 30 lines
Exit Write Out Where Is Cut Execute Location M-U Undo
Replace Read File Replace Paste Justify Go To Line M-E Redo
TP1 feature2 0 0 0 Java: Ready onsnasri (22 minutes ago) Ln 16, Col 2 Spaces: 4 UTF-8 LF () Java
```

après écrire git rebase -i master un fichier nano s'ouvre (on n'a fait q'un seul commit par branche)



```
TP1 > src > application > J test.java > test
1 package application;
2
3 public class test {
4
5     public test() {
6     }
7
8     Run | Debug
9     public static void main(String[] var0) {
10         System.out.println("Hello from master");
11         System.out.println("Hello from master");
12     }
13
14
15
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
vboxuser@buntuu:~/Devops/TP1$ git rebase -i master
vboxuser@buntuu:~/Devops/TP1$ git log --oneline --graph --all
* a1e9997 (master) second commit master
* a4c48b4 (feature1) second commit feature1
* aa359a8 tested by feature1
//
* fdf20b7 (HEAD -> feature2) second commit feature2
* 2e68bec tested by feature1
//
* ab434c8 tested by master
vboxuser@buntuu:~/Devops/TP1$ git checkout master
Switched to branch 'master'
vboxuser@buntuu:~/Devops/TP1$
TP1 master! (Rebasing) 0 0 0 Java: Ready onsnasri (1 hour ago) Ln 12, Col 1 Spaces: 4 UTF-8 LF () Java
```

code de master

```
1 package application;
2
3 public class test {
4
5     public test() {
6     }
7
8     public static void main(String[] var0) {
9         System.out.println("Hello from master");
10        sayHelloFeature();
11        System.out.println("feature1");
12    }
13
14    public static void sayHelloFeature() {
15        System.out.println("Hello from feature1!");
16    }
17
18 }
19
20
```

```
vboxuser@ubuntu:~/Devops/TP1$ git log --oneline --graph --all
* a4c48b4 (feature1) second commit feature1
* aa359a8 tested by feature1
/* fdf20b7 (HEAD -> feature2) second commit feature2
* 2e68bec tested by feature1
/* ab434c8 tested by master
vboxuser@ubuntu:~/Devops/TP1$ git checkout master
Switched to branch 'master'
vboxuser@ubuntu:~/Devops/TP1$ git checkout feature1
Switched to branch 'feature1'
vboxuser@ubuntu:~/Devops/TP1$
```

Code de la branche feature1

```
1 package application;
2
3 public class test {
4
5     public test() {
6     }
7
8     public static void main(String[] var0) {
9         System.out.println("Hello from master");
10        squareNumber(n:5);
11        System.out.println("feature2");
12    }
13
14    public static void squareNumber(int n) {
15        System.out.println("Square of" + n + "is" + (n* n));
16    }
17
18 }
19
20
```

```
vboxuser@ubuntu:~/Devops/TP1$ git rebase -i master
valuable there.
vboxuser@ubuntu:~/Devops/TP1$ git log --oneline --graph --all
* a1e9997 (master) second commit master
* a4c48b4 (feature1) second commit feature1
* aa359a8 tested by feature1
/* fdf20b7 (HEAD -> feature2) second commit feature2
* 2e68bec tested by feature1
/* ab434c8 tested by master
vboxuser@ubuntu:~/Devops/TP1$
```

Code de la branche feature2
voir l'arborescence.