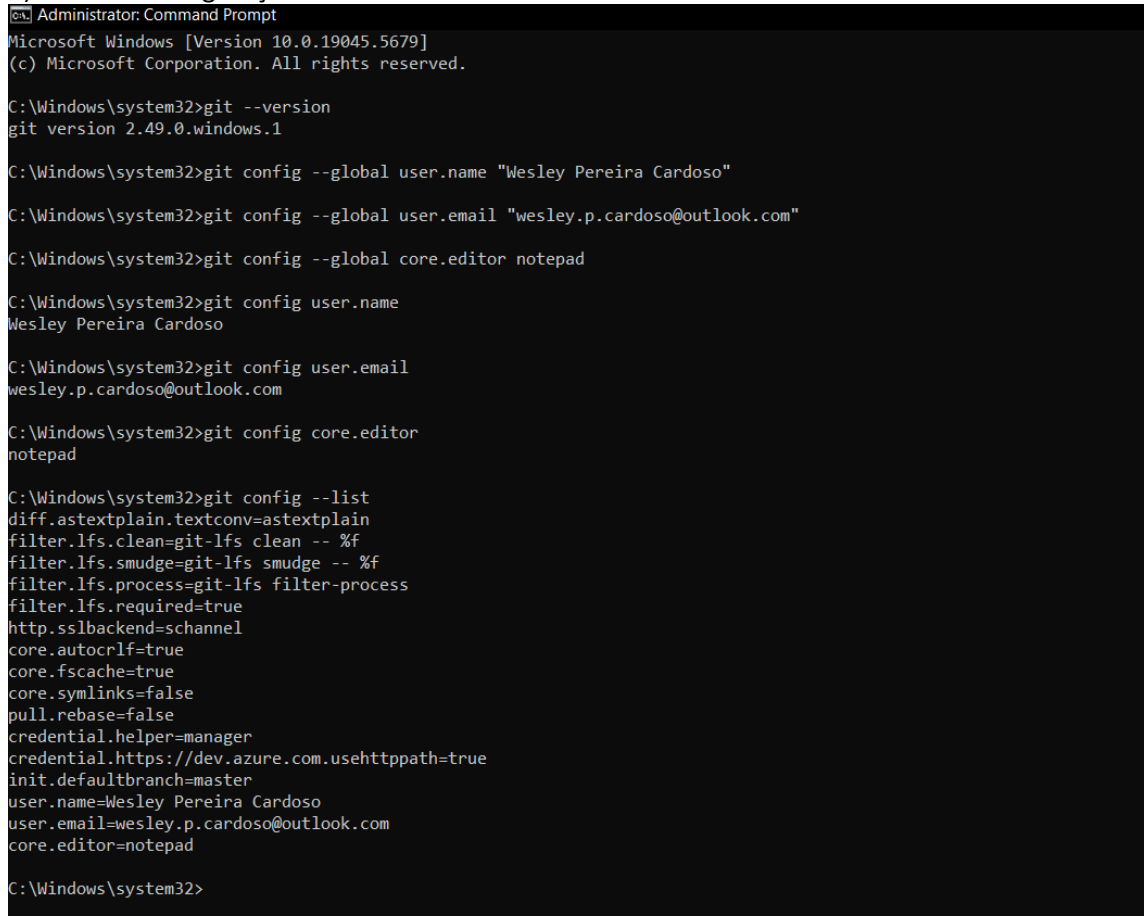


## Exercicio 1

1) Num terminal de sua máquina local, verificar a instalação local, reportando a versão do Git instalada.

2) Definir nome, e-mail e editor de texto padrão do usuário.

3) Exibir as configurações fornecidas.



```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.19045.5679]
(c) Microsoft Corporation. All rights reserved.

C:\Windows\system32>git --version
git version 2.49.0.windows.1

C:\Windows\system32>git config --global user.name "Wesley Pereira Cardoso"

C:\Windows\system32>git config --global user.email "wesley.p.cardoso@outlook.com"

C:\Windows\system32>git config --global core.editor notepad

C:\Windows\system32>git config user.name
Wesley Pereira Cardoso

C:\Windows\system32>git config user.email
wesley.p.cardoso@outlook.com

C:\Windows\system32>git config core.editor
notepad

C:\Windows\system32>git config --list
diff.astextplain.textconv=astextplain
filter.lfs.clean=git-lfs clean -- %f
filter.lfs.smudge=git-lfs smudge -- %f
filter.lfs.process=git-lfs filter-process
filter.lfs.required=true
http.sslbackend=schannel
core.autocrlf=true
core.fscache=true
core.symlinks=false
pull.rebase=false
credential.helper=manager
credential.https://dev.azure.com.usehttppath=true
init.defaultbranch=master
user.name=Wesley Pereira Cardoso
user.email=wesley.p.cardoso@outlook.com
core.editor=notepad

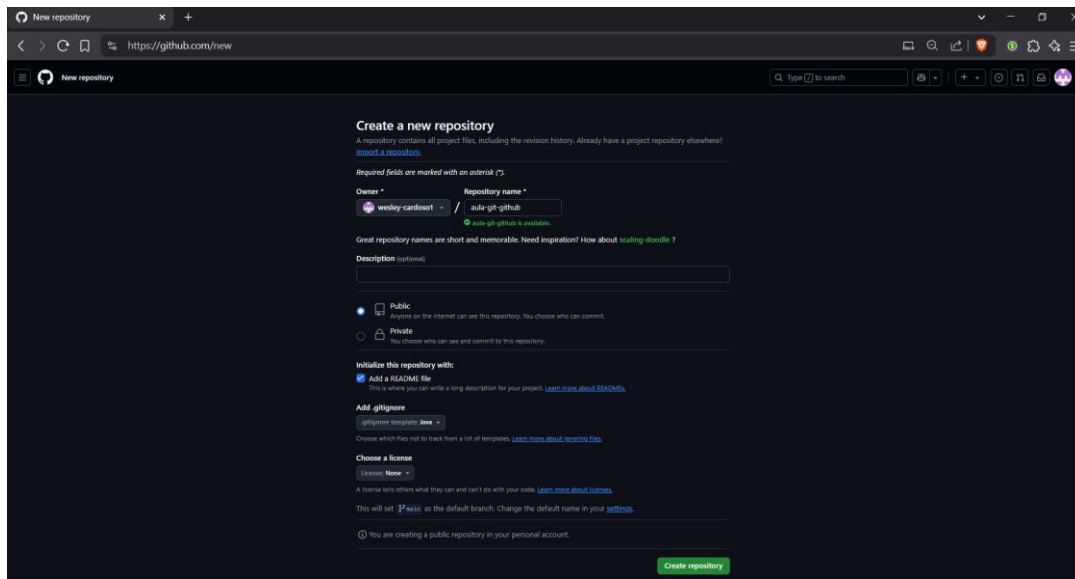
C:\Windows\system32>
```

## GitHub: criar repositório remoto.

2) Entrar: <https://github.com/login>.

3) Página de criação de novo repositório: <https://github.com/new>. Crie um novo repositório público com nome “aula-git-github” e adicione os arquivos “README” e “.gitignore” (“template Java”), como apresentado abaixo.

4) Página inicial do repositório: <https://github.com/wesley-cardoso1/aula-git-github>



## Exercício 2

- 1) Copie o link do seu repositório remoto:
- 2) Num diretório local de sua máquina, clone o repositório remoto:
- 3) Mude (entre) no novo diretório local de sua máquina que contém o clone do repositório remoto:
- 4) Observar o conteúdo do diretório criado.
- 5) Reportar o estado do repositório.

```
Administrator: Command Prompt

C:\>git clone https://github.com/wesley-cardoso1/aula-git-github.git
Cloning into 'aula-git-github'...
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 4 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (4/4), done.

C:\>cd aula-git-github

C:\aula-git-github>git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean

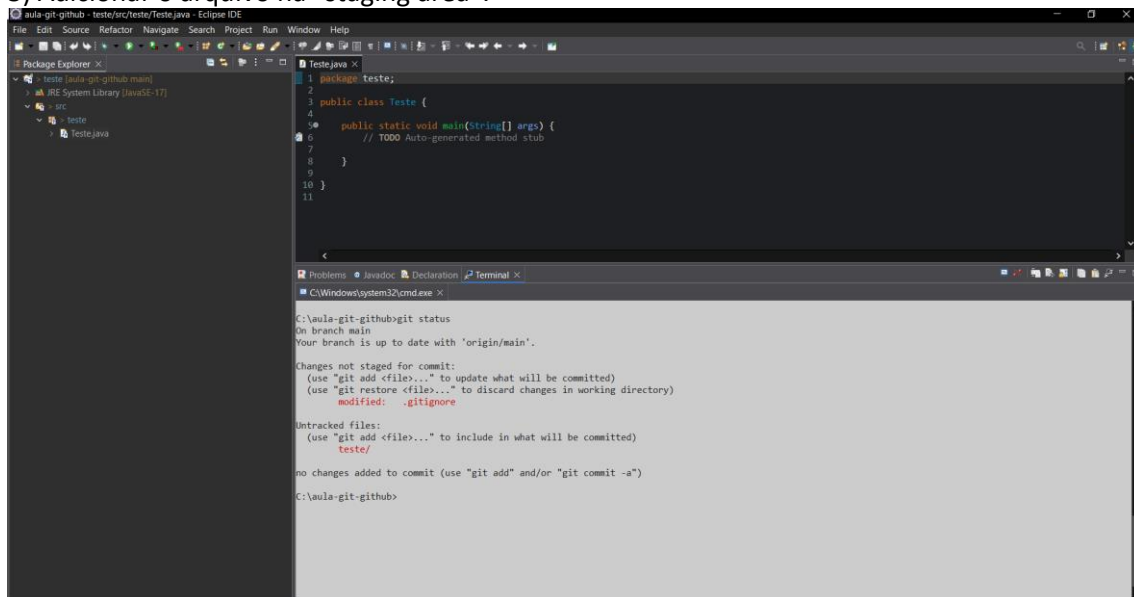
C:\aula-git-github>
```

## Exercício 3

- 1) No IDE Eclipse, crie o “workspace” dentro do diretório do repositório local “aula-gitgithub”.
- 2) No “wokspace” do IDE Eclipse, crie um novo projeto Java com nome “teste”:
- 3) No projeto “teste”, crie a classe “Teste” abaixo:

4) Reportar o estado do repositório.

5) Adicionar o arquivo na “staging area”.



The screenshot shows the Eclipse IDE interface. The Package Explorer on the left shows a project named 'aula-git-github' with a sub-project 'teste' containing a file 'Teste.java'. The main editor displays the content of 'Teste.java', which is a simple Java class with a main method. The terminal window at the bottom shows the output of the 'git status' command, indicating that the branch is up to date and there are untracked files in the 'teste/' directory.

```
1 package teste;
2
3 public class Teste {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7     }
8 }
9
10
11
```

```
C:\aula-git-github>git status
On branch main
Your branch is up to date with 'origin/main'.

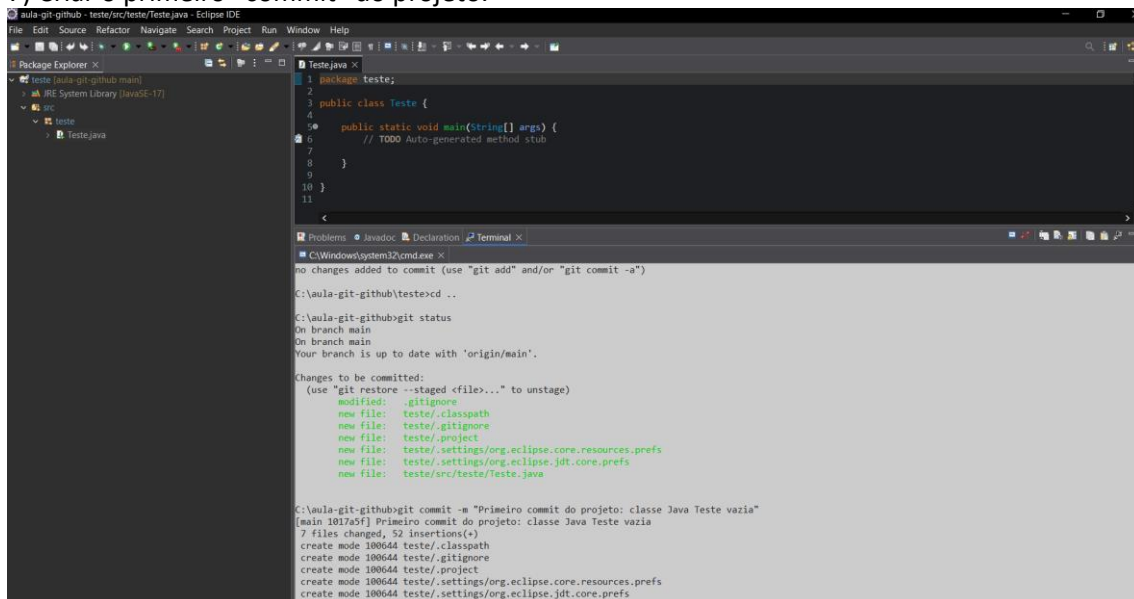
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   .gitignore

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        teste/

no changes added to commit (use "git add" and/or "git commit -a")
C:\aula-git-github>
```

6) Reportar o estado do repositório.

7) Criar o primeiro “commit” do projeto.



The screenshot shows the Eclipse IDE interface. The Package Explorer on the left shows the same project structure as the previous screenshot. The main editor displays the content of 'Teste.java'. The terminal window at the bottom shows the output of the 'git status' command, indicating that the branch is up to date and there are untracked files in the 'teste/' directory. Below this, the output of the 'git commit -m' command is shown, indicating that the first commit has been created.

```
1 package teste;
2
3 public class Teste {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7     }
8 }
9
10
11
```

```
C:\aula-git-github>git status
On branch main
Your branch is up to date with 'origin/main'.

Changes not staged for commit:
  (use "git restore --staged <file>..." to unstage)
        modified:   .gitignore
        new file:   teste/.classpath
        new file:   teste/.gitignore
        new file:   teste/.project
        new file:   teste/.settings/org.eclipse.core.resources.prefs
        new file:   teste/.settings/org.eclipse.jdt.core.prefs
        new file:   teste/src/teste/Teste.java

C:\aula-git-github>git commit -m "Primeiro commit do projeto: classe Java Teste vazia"
[master 1017a5f] Primeiro commit do projeto: classe Java Teste vazia
7 files changed, 52 insertions(+)
create mode 100644 teste/.classpath
create mode 100644 teste/.gitignore
create mode 100644 teste/.project
create mode 100644 teste/.settings/org.eclipse.core.resources.prefs
create mode 100644 teste/.settings/org.eclipse.jdt.core.prefs
```

8) Realizar envio do repositório local para o repositório remoto.

9) Reportar o estado do repositório.

The screenshot shows the Eclipse IDE interface. The Package Explorer on the left shows a project named 'aula-git-github' with a package 'teste' containing a class 'Teste.java'. The main editor displays the code for 'Teste.java':

```
1 package teste;
2
3 public class Teste {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7     }
8 }
9
10
11
```

The terminal window at the bottom shows the following commands and output:

```
C:\aula-git-github>git commit -m "Primeiro commit do projeto: classe Java Teste vazia"
[main 1017a5f] Primeiro commit do projeto: classe Java Teste vazia
7 files changed, 52 insertions(+)
create mode 100644 teste/.classpath
create mode 100644 teste/.gitignore
create mode 100644 teste/.project
create mode 100644 teste/.settings/org.eclipse.core.resources.prefs
create mode 100644 teste/.settings/org.eclipse.jdt.core.prefs
create mode 100644 teste/src/teste/Teste.java

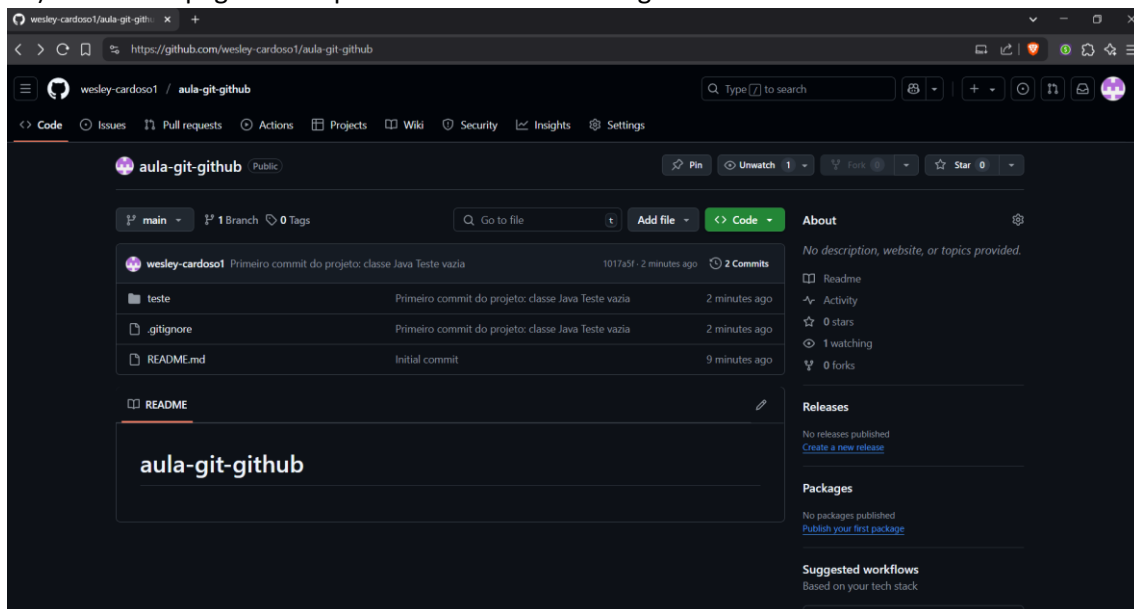
C:\aula-git-github>git push
Enumerating objects: 15, done.
Counting objects: 100% (15/15), done.
Delta compression using up to 16 threads
Compressing objects: 100% (10/10), done.
Writing objects: 100% (13/13), 1.54 KiB | 789.00 KiB/s, done.
Total 13 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/wesley-cardoso1/aula-git-github.git
8e65f71..1017a5f  main -> main

C:\aula-git-github>git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean

C:\aula-git-github>
```

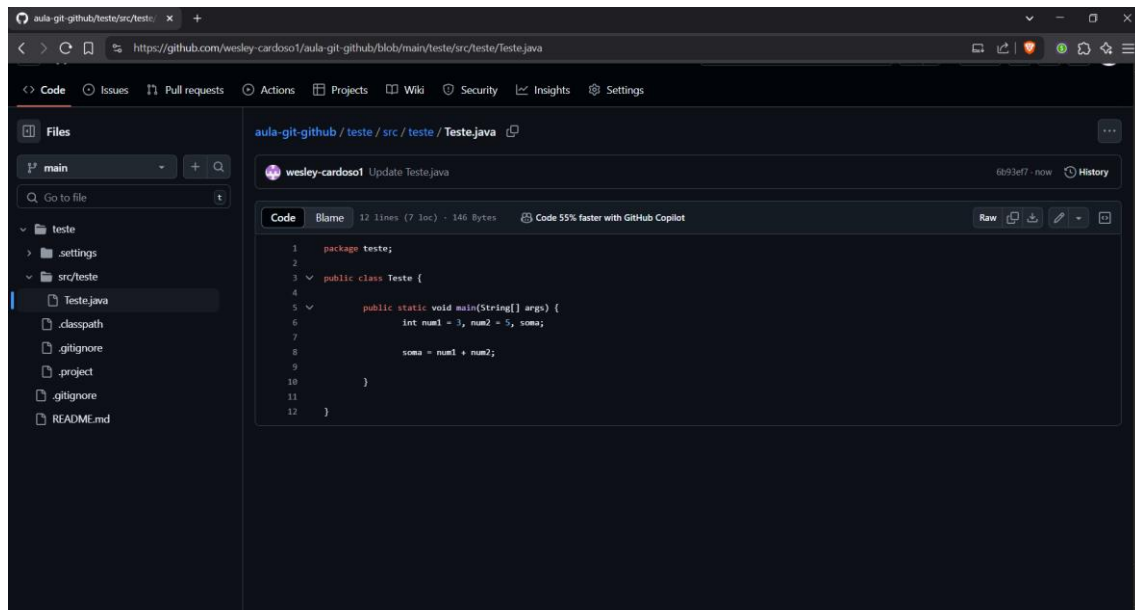
10) Atualizar a página do repositório remoto no navegador e observar o conteúdo.



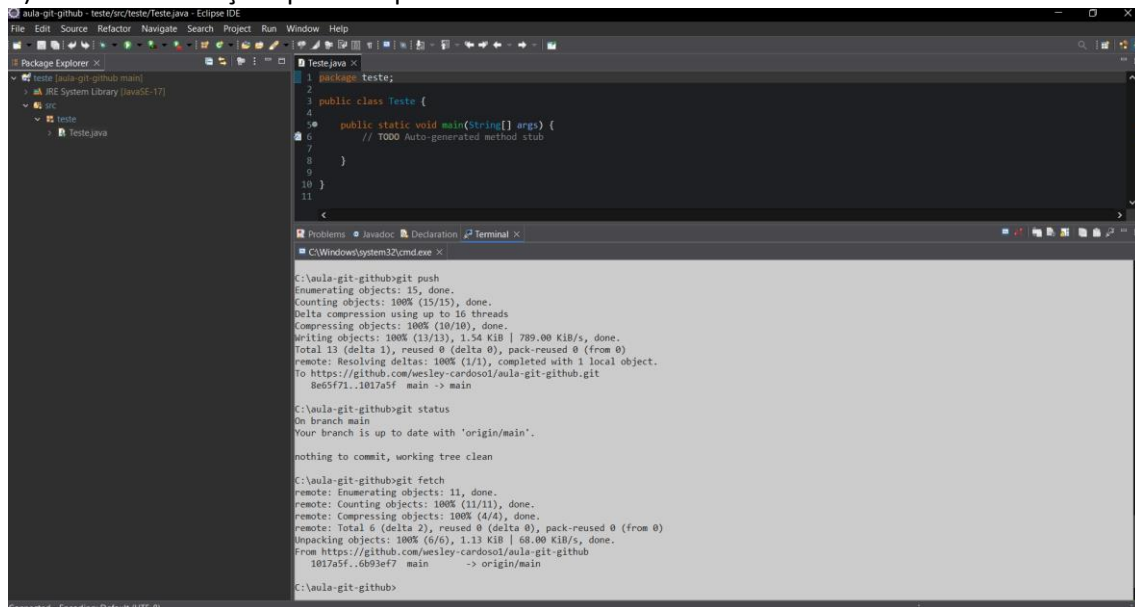
## Exercício 04

1) Alterar a classe Java Teste no repositório remoto, como indicado abaixo.

2) Realizar o “commit” das alterações:

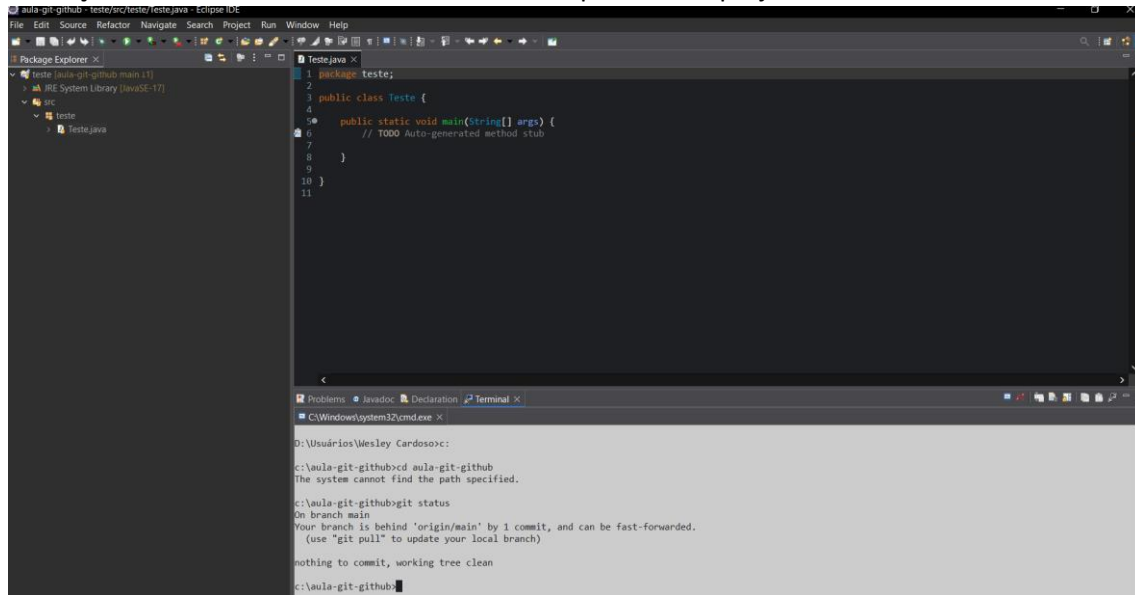


3) Buscar as alterações para o repositório local.



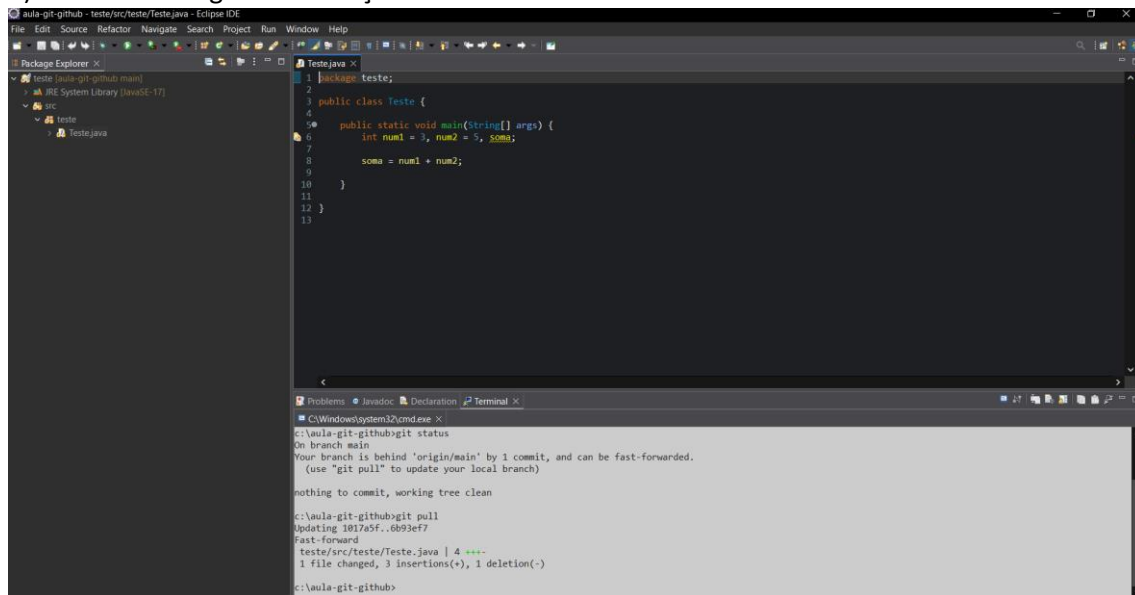
4) Fechar a janela da classe Java Teste no Eclipse e abrir novamente. Observar que as

alterações realizadas remotamente não foram aplicadas ao projeto Java.



5) Reportar o estado do repositório.

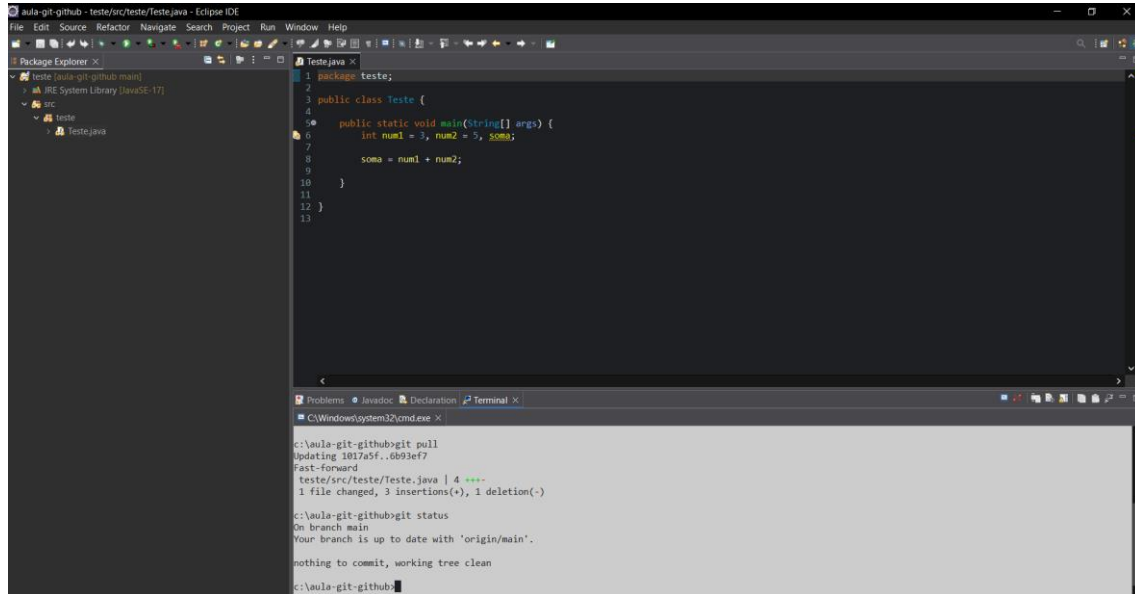
6) Realizar o merge das alterações.



7) Fechar a janela da classe Java Teste no Eclipse e abrir novamente. Observar que as

alterações realizadas remotamente foram aplicadas ao projeto Java.

## 8) Reportar o estado do repositório.



The screenshot shows the Eclipse IDE interface. The Package Explorer on the left shows the project structure: 'aula-git-github' with a sub-project 'teste' containing a 'src' folder and a 'Teste.java' file. The main editor displays the content of 'Teste.java':

```
1 package teste;
2
3 public class Teste {
4
5     public static void main(String[] args) {
6         int num1 = 3, num2 = 5, soma;
7
8         soma = num1 + num2;
9     }
10 }
11
12 }
13 }
```

Below the editor, the 'Terminal' window shows the output of git commands:

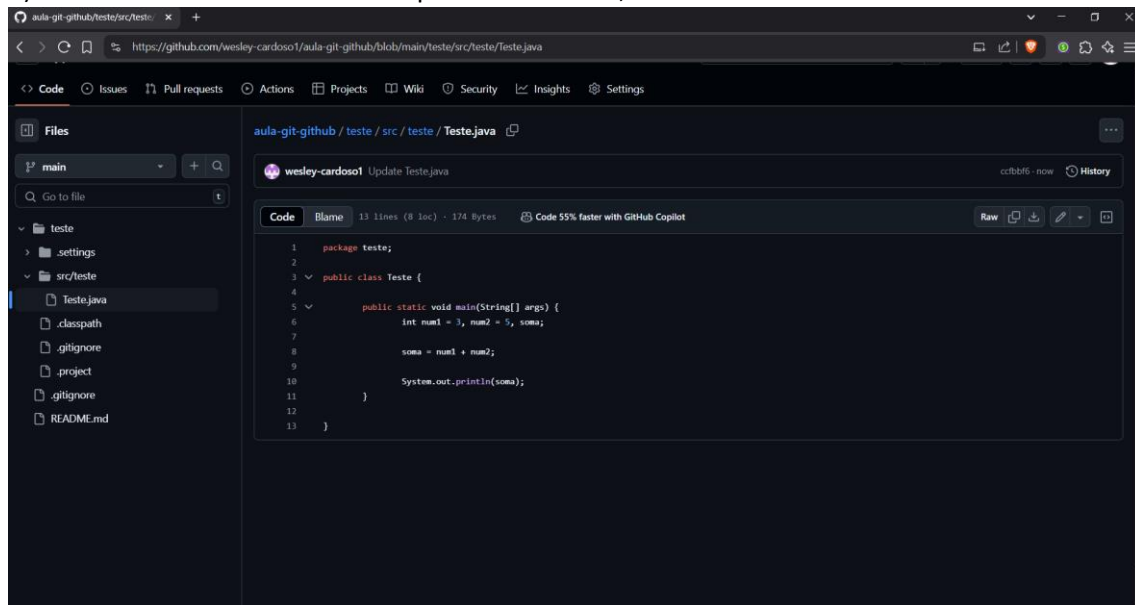
```
c:\aula-git-github>git pull
Updating 1017a5f..6b93ef7
Fast-forward
 teste/src/Teste.java | 4 +++-
 1 file changed, 3 insertions(+), 1 deletion(-)

c:\aula-git-github>git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
c:\aula-git-github>
```

## Exercício 05

### 1) Alterar a classe Java Teste no repositório remoto, como indicado abaixo.



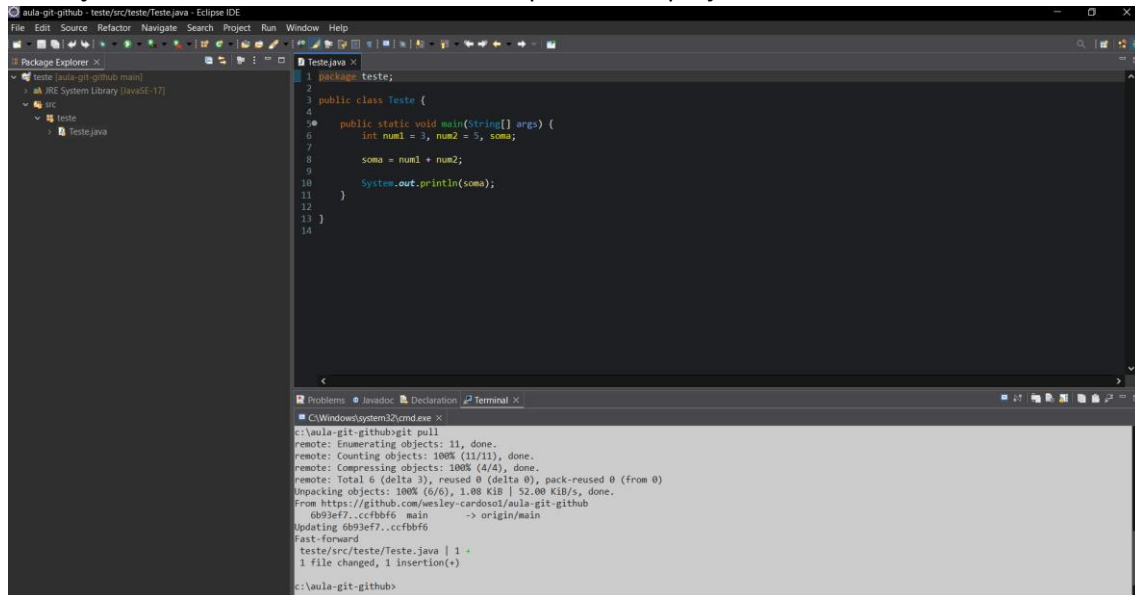
The screenshot shows the GitHub web interface for the repository 'aula-git-github' by user 'wesley-cardoso1'. The file 'teste/src/Teste.java' is selected. The file content is displayed as follows:

```
1 package teste;
2
3 public class Teste {
4
5     public static void main(String[] args) {
6         int num1 = 3, num2 = 5, soma;
7
8         soma = num1 + num2;
9
10        System.out.println(soma);
11    }
12 }
13 }
```

2) Buscar as alterações para o repositório local e realizar o “merge”.

3) Fechar a janela da classe Java Teste no Eclipse e abrir novamente. Observar que as

alterações realizadas remotamente foram aplicadas ao projeto Java.



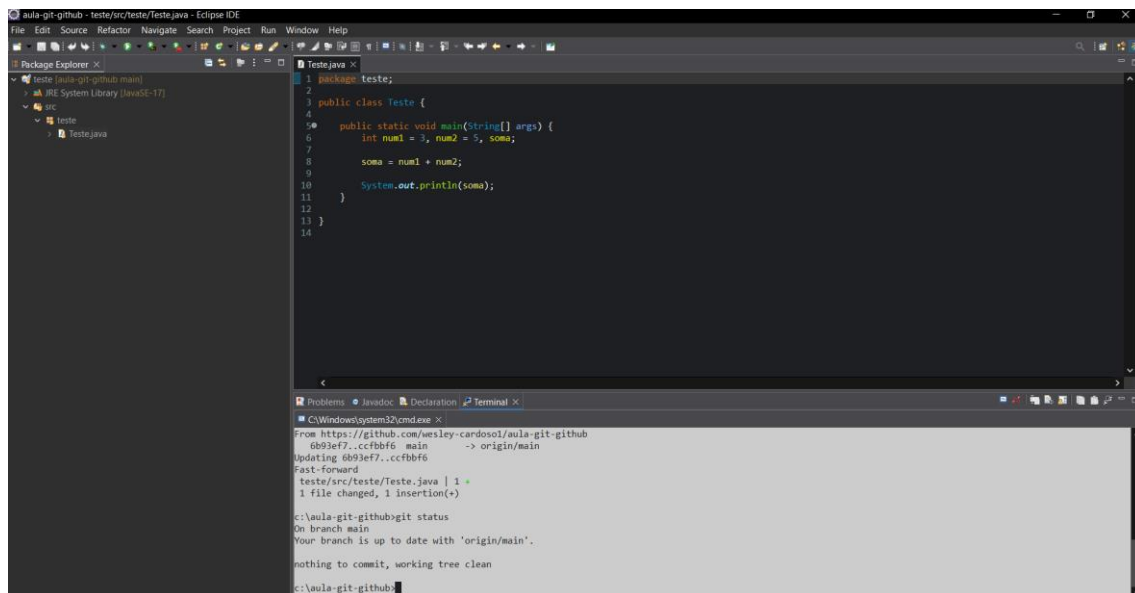
The screenshot shows the Eclipse IDE interface. The Package Explorer on the left shows a project named 'aula-git-github' with a package 'teste' containing a file 'Teste.java'. The main editor displays the code for 'Teste.java':

```
1 package teste;
2
3 public class Teste {
4
5     public static void main(String[] args) {
6         int num1 = 3, num2 = 5, soma;
7
8         soma = num1 + num2;
9
10        System.out.println(soma);
11    }
12 }
13 }
14 }
```

The Terminal window at the bottom shows the output of a 'git pull' command:

```
C:\Windows\system32\cmd.exe
c:\aula-git-github>git pull
remote: Enumerating objects: 11, done.
remote: Counting objects: 100% (11/11), done.
remote: Compressing objects: 100% (4/4), done.
remote: Total 6 (delta 3), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (6/6), 1.08 KiB | 52.00 KiB/s, done.
From https://github.com/wesley-cardosol/aula-git-github
  6b93ef7..ccfbbf6  main    -> origin/main
Updating 6b93ef7..ccfbbf6
Fast-forward
 teste/src/teste/Teste.java | 1 +
 1 file changed, 1 insertion(+)
```

4) Reportar o estado do repositório.



The screenshot shows the Eclipse IDE interface. The Package Explorer on the left shows a project named 'aula-git-github' with a package 'teste' containing a file 'Teste.java'. The main editor displays the code for 'Teste.java':

```
1 package teste;
2
3 public class Teste {
4
5     public static void main(String[] args) {
6         int num1 = 3, num2 = 5, soma;
7
8         soma = num1 + num2;
9
10        System.out.println(soma);
11    }
12 }
13 }
14 }
```

The Terminal window at the bottom shows the output of a 'git status' command:

```
C:\Windows\system32\cmd.exe
From https://github.com/wesley-cardosol/aula-git-github
  6b93ef7..ccfbbf6  main    -> origin/main
Updating 6b93ef7..ccfbbf6
Fast-forward
 teste/src/teste/Teste.java | 1 +
 1 file changed, 1 insertion(+)
```

```
c:\aula-git-github>git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
```