

# PRO3601 – Análise Massiva de Dados em Gestão de Operações

Git e GitHub

# Fork de um repositório

- “Copiar” um repositório para o seu usuário;
- Múltiplos desenvolvedores trabalhando em um mesmo projeto sem interferência.

The screenshot shows the GitHub interface for the repository `HWatanuki / TrainingPRO3601`, which is public. In the top right, the `Fork` button is highlighted with a red box, indicating 25 forks. Below the repository name, navigation tabs include `Code`, `Issues`, `Pull requests`, `Actions`, `Projects`, `Wiki`, `Security`, and `Insights`. The repository has 1 branch (`main`) and 0 tags. A commit history table is displayed:

Commit Hash	Commit Message	Time
0b26c50	2022.03.31-HMW-Added Cheat Sheet	5 days ago
	BWR_CheatSheet.ecl	5 days ago
	Update README.md	5 days ago

On the right side, the `About` section states: "Repositorio da turma de PRO3601-2022". It also shows 1 star, 1 watching, and 25 forks.

# Fork de um repositório

The screenshot shows a GitHub repository page for 'alysson-oliveira / TrainingPRO3601'. The repository is public and is a fork of 'HWatanuki/TrainingPRO3601'. The 'Fork' button is highlighted with a red box, showing 26 forks. The repository has 0 stars and 0 watches. The main branch is 'main', and there is 1 branch and 0 tags. The repository is up to date with the upstream. The commit history shows two commits: '2022.03.31-HMW-Added Cheat Sheet' and 'Update README.md', both 5 days ago. The right sidebar shows the repository name, README link, 0 stars, 0 watching, 26 forks, and a Releases section.

**Repository Information:**

- Repository: **alysson-oliveira / TrainingPRO3601** (Public)
- Forked from: [HWatanuki/TrainingPRO3601](#)
- Buttons: Pin, Watch (0), **Fork (26)**, Star (0)
- Navigation: Code, Pull requests, Actions, Projects, Wiki, Security, Insights, Settings

**Branch Information:**

- main (1 branch, 0 tags)
- Go to file, Add file, Code

**Commit History:**

Commit	Author	Message	Time
0b26c50	HWatanuki	2022.03.31-HMW-Added Cheat Sheet	5 days ago
		BWR_CheatSheet.ecl	5 days ago
		Update README.md	5 days ago

**Repository Details:**

- Repository: Repositorio da turma de PRO3601-2022
- Readme
- 0 stars
- 0 watching
- 26 forks
- Releases

# Clone de um repositório

## Uma cópia local de um repositório remote

Selecionar uma das opções disponibilizadas

The screenshot shows the GitHub interface for the repository `alysson-oliveira / TrainingPRO3601`, which is public and forked from `HWatanuki/TrainingPRO3601`. The repository has 1 branch and 0 tags. The 'Code' button is highlighted in green. The 'Clone' dropdown menu is open, showing options for cloning via HTTPS, SSH, or GitHub CLI. The 'Open with GitHub Desktop' option is also visible. Red arrows point to the 'Clone' button, the 'HTTPS' option, and the 'Open with GitHub Desktop' option.

Repository: `alysson-oliveira / TrainingPRO3601` (Public)  
forked from `HWatanuki/TrainingPRO3601`

Navigation: `<> Code` | `🔗 Pull requests` | `▶ Actions` | `📁 Projects` | `📖 Wiki` | `🛡 Security` | `📈 Insights` | `⚙ Settings`

Branches: `main` | 1 branch | 0 tags

Buttons: `Go to file` | `Add file` | `Code`

Clone options:

- `Clone` (icon)
- `HTTPS` (selected)
- `SSH`
- `GitHub CLI`

URL: `https://github.com/alysson-oliveira/Traini`

Use Git or checkout with SVN using the web URL.

Options:

- `Open with GitHub Desktop`
- `Download ZIP`

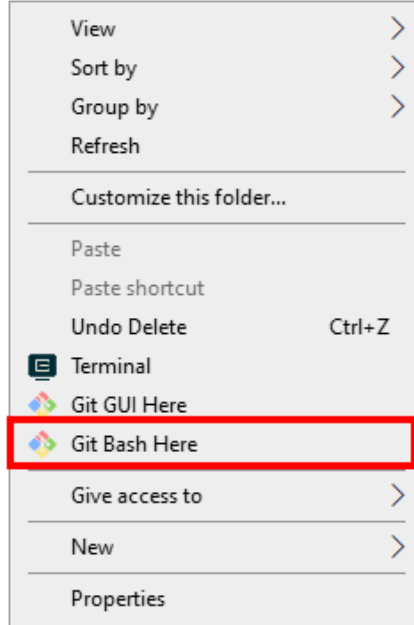
Commit history:

Commit	Author	Message
<code>2022.03.31-HMW-Added Cheat Sheet</code>	<code>HWatanuki</code>	<code>2022.03.31-HMW-Added Cheat Sheet</code>
<code>BWR_CheatSheet.ecl</code>	<code>2022.03.31-HMW-Added Cheat Sheet</code>	<code>2022.03.31-HMW-Added Cheat Sheet</code>
<code>README.md</code>	<code>Update README.md</code>	<code>Update README.md</code>

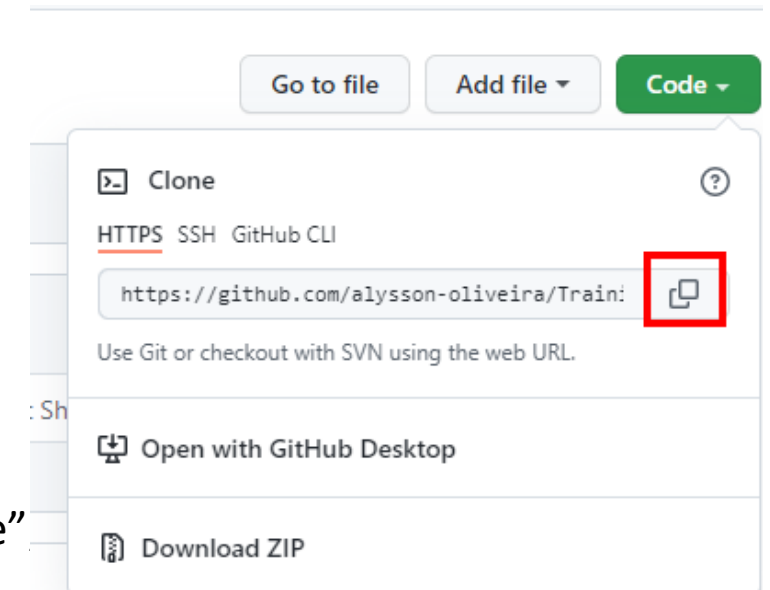
# Clone de um repositório

## Via git

- Copiar a URL do repositório remoto;
- Criar um diretório em seu computador;
- Dentro do repositório, clicar com botão direito, selecionar a opção “Git Bash Here”
- Após o terminal abrir, usar o comando “git clone <URL>”



```
$ git clone https://github.com/alysson-oliveira/TrainingPRO3601.git
Cloning into 'TrainingPRO3601'...
remote: Enumerating objects: 9, done.
remote: Counting objects: 100% (9/9), done.
remote: Compressing objects: 100% (7/7), done.
remote: Total 9 (delta 0), reused 3 (delta 0), pack-reused 0
Unpacking objects: 100% (9/9), 2.33 KiB | 54.00 KiB/s, done.
```



# Clone de um repositório

## Via git

### Repositório remoto

The screenshot shows the GitHub interface for a repository named 'TrainingPRO3601' by user 'alysson-oliveira'. It is a public fork of 'HWatanuki/TrainingPRO3601'. The interface includes navigation tabs for Code, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. Below these, it shows the 'main' branch with 1 branch and 0 tags. A message states 'This branch is up to date with HWatanuki/TrainingPRO3601:main.' and provides options to 'Contribute' or 'Fetch upstream'. A commit history table is displayed below.

HWatanuki 2022.03.31-HMW-Added Cheat Sheet		
0b26c50	5 days ago	3 commits
BWR_CheatSheet.ecl	2022.03.31-HMW-Added Cheat Sheet	5 days ago
README.md	Update README.md	5 days ago





### Repositório local

Name	Date modified
README	05/04/2022 13:10
BWR_CheatSheet.ecl	05/04/2022 13:10



# Atualizando o repositório local

Quando o repositório remoto é alterado, é necessário atualizar o repositório local manualmente

## Repositório remoto

	alysson-oliveira Create NewFile	7272a61 9 minutes ago	🕒 6 commits
	BWR_CheatSheet.ecl	2022.03.31-HMW-Added Cheat Sheet	5 days ago
	NewFile	Create NewFile	9 minutes ago
	README.md	Update README.md	5 days ago

## Repositório local

Name	Date modified
 README	05/04/2022 13:10
 BWR_CheatSheet.ecl	05/04/2022 13:10

# Atualizando o repositório local

## Comando git pull

Utilizado para atualizar o repositório local com base nas alterações feitas no repositório remoto

```
$ git pull
remote: Enumerating objects: 8, done.
remote: Counting objects: 100% (8/8), done.
remote: Compressing objects: 100% (5/5), done.
remote: Total 7 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (7/7), 1.94 KiB | 60.00 KiB/s, done.
From https://github.com/alysson-oliveira/TrainingPRO3601
   0b26c50..7272a61  main       -> origin/main
Updating 0b26c50..7272a61
Fast-forward
 NewFile | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 NewFile
```

### Repositório local

Name	Date modified
README	05/04/2022 13:10
NewFile	05/04/2022 13:32
BWR_CheatSheet.ecl	05/04/2022 13:10



# Atualizando o repositório remoto





**Comando git add / git commit / git push**

**Utilizados para atualizar o repositório remoto com base nas alterações feitas no repositório local**

## Repositório local

Name	Date modified
README	05/04/2022 13:10
NewFile	05/04/2022 13:32
BWR_CheatSheet.ecl	05/04/2022 13:10
AnotherNewFile	05/04/2022 13:37

## Repositório remoto

	alysson-oliveira Create NewFile	727
	BWR_CheatSheet.ecl	2022.03.31-HMW-Added Cheat Sheet
	NewFile	Create NewFile
	README.md	Update README.md

# Atualizando o repositório remoto

## Comando git add / git commit / git push

- **Git add:** Atualiza o índice de alterações, utilizado para comparar repositórios locais e remotos. Ex: `git add .`
- **Git commit:** Utiliza o índice para realizar uma descrição da submissão contendo as alterações que serão adicionadas ao repositório remoto. Ex: `git commit -m "AnotherNewFile Added"`
- **Git push:** Submete todos os commits criados. Ex: `git push.`

# Atualizando o repositório remoto

Comando git add / git commit / git push

```
$ git add .  
$ git commit -m "AnotherNewFile Added"  
[main bfdfbe8] AnotherNewFile Added  
1 file changed, 0 insertions(+), 0 deletions(-)  
create mode 100644 AnotherNewFile.txt  
$ git push  
Enumerating objects: 4, done.  
Counting objects: 100% (4/4), done.  
Delta compression using up to 8 threads  
Compressing objects: 100% (2/2), done.  
Writing objects: 100% (3/3), 379 bytes | 379.00 KiB/s, done.  
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0  
To https://github.com/alysson-oliveira/TrainingPRO3601.git  
7272a61..bfdfbe8  main -> main
```

# Atualizando o repositório remoto

## Comando git add / git commit / git push

Por fim, o repositório remoto é atualizado

Oliveira, Alysson AnotherNewFile Added		bfdfbe8 14 minutes ago	🕒 7 commits
📄	AnotherNewFile.txt	AnotherNewFile Added	14 minutes ago
📄	BWR_CheatSheet.ecl	2022.03.31-HMW-Added Cheat Sheet	5 days ago
📄	NewFile	Create NewFile	26 minutes ago
📄	README.md	Update README.md	6 days ago