

**Aprendi testes  
unitários e agora?  
#Partiu TDD**

# Falae!

## Paula Grangeiro

#python #bestpractices  
#designpatterns #tests  
#pyladies #djangogirls  
#gatos #animes



# O que temos para hoje:

Apresentar TDD para  
iniciantes que já  
praticam testes  
unitários



A decorative network diagram in the top-left corner, featuring a complex web of interconnected nodes and lines. The nodes are represented by small circles, some of which are highlighted with a double-circle outline. The lines are thin and gray, creating a mesh-like structure.

# 1. O que é TDD?

Teste depois do deploy?

A decorative network diagram in the bottom-right corner, similar to the one in the top-left. It shows a cluster of nodes connected by lines, with some nodes having a double-circle outline. The overall style is minimalist and technical.



## O que é TDD?

- ◎ Test Driven Development
- ◎ Origens no XP
- ◎ Testes unitários como **ferramentas**
- ◎ Código de teste antes de código de produção

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## 2. Objetivos do TDD

Testar?

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“

*TDD é um desafio que  
programadores **profissionais** se  
auto impõem em busca de  
escrever **código com qualidade.***





**código**

**programador**

**teste**

**Processo de TDD**

A decorative network diagram in the top-left corner, featuring a complex web of interconnected nodes and lines. The nodes are represented by small circles, some of which are larger and have concentric circles inside, suggesting different levels of connectivity or importance. The lines are thin and gray, creating a mesh-like structure.

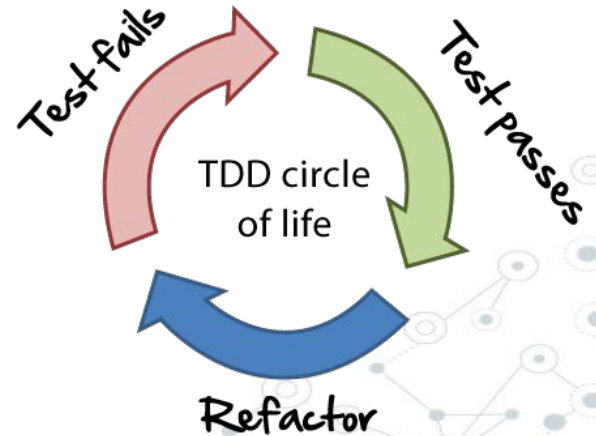
# 3. Como funciona?

Ajuda o povo de exatas a fazer código

A decorative network diagram in the bottom-right corner, similar to the one in the top-left. It shows a cluster of nodes connected by lines, with some nodes being larger and more prominent than others, all rendered in a light gray color.

## Ciclo de vida do TDD

- Escrever teste falho
- Escrever código de produção para o sucesso do teste
- Refatorar




The background of the image is a light gray network pattern. It consists of numerous small circles, some of which are solid gray and others are hollow with a gray outline. These circles are interconnected by thin, light gray lines, creating a complex, web-like structure that fills the entire frame. The text "CODE TIME!" is centered over this pattern.

**CODE TIME!**

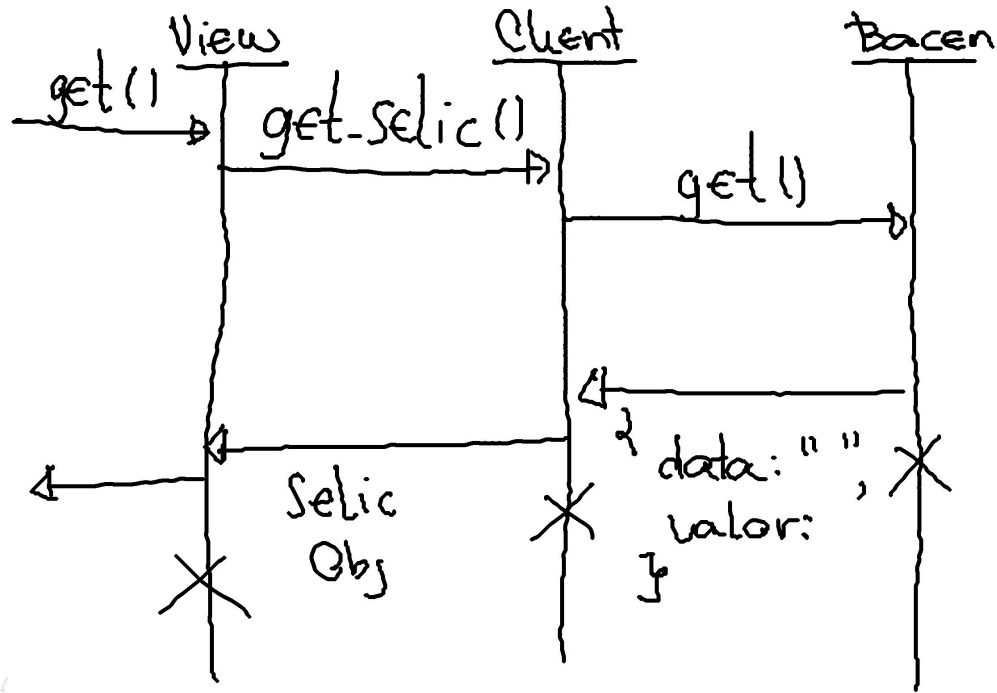


## O problema

O Bacen disponibiliza uma API para consulta à taxa Selic anual. Recuperar a taxa selic e exibir na tela para o usuário.



## O problema



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# 4. **Vantagens**

A decorative network diagram in the bottom-right corner, similar to the one in the top-left. It shows a cluster of nodes connected by lines, with some nodes being larger and more prominent than others. The overall style is clean and modern, using a light gray color scheme.

## Vantagens do TDD

- ◎ Código testável desde o início
- ◎ Exercício do problema
  - Validação da ideia antes da implementação
  - Definição de APIs e contratos
- ◎ Diminui a complexidade do código
  - Menos *code smell*
  - Menor acoplamento
  - Mais coesão



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**OO Archivement**



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# 5. Considerações finais

Let's start with the first set of slides

A decorative network diagram in the bottom-right corner, similar to the one in the top-left. It shows a cluster of interconnected nodes and lines, with some nodes having double outlines. The diagram is also partially cut off by the right edge of the slide.

## Considerações

- ◎ Vou perder mais tempo escrevendo testes?
- ◎ Sinto muita dificuldade em praticar TDD!
- ◎ Devo sempre praticar TDD?

# Obrigada!

## Perguntas?

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