

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

Falae!

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#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 connecting them are thin and grey.

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, showing a cluster of interconnected nodes and lines, with some nodes highlighted by double circles.



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?

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 highlight.



“

*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 rings, suggesting different levels or types of connectivity. The lines are thin and gray, creating a mesh-like structure.

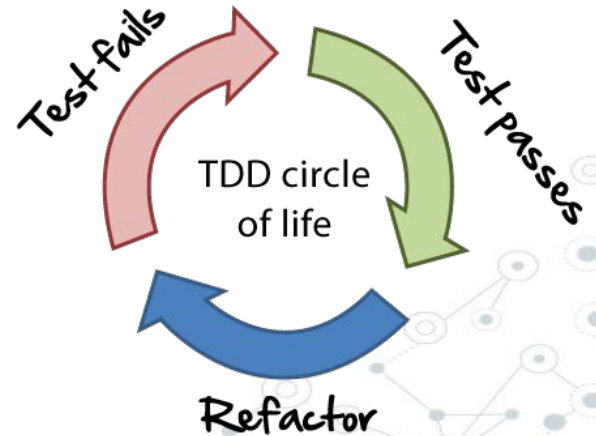
3. Como funciona?

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, indicating a hierarchical or central structure within the network.

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!

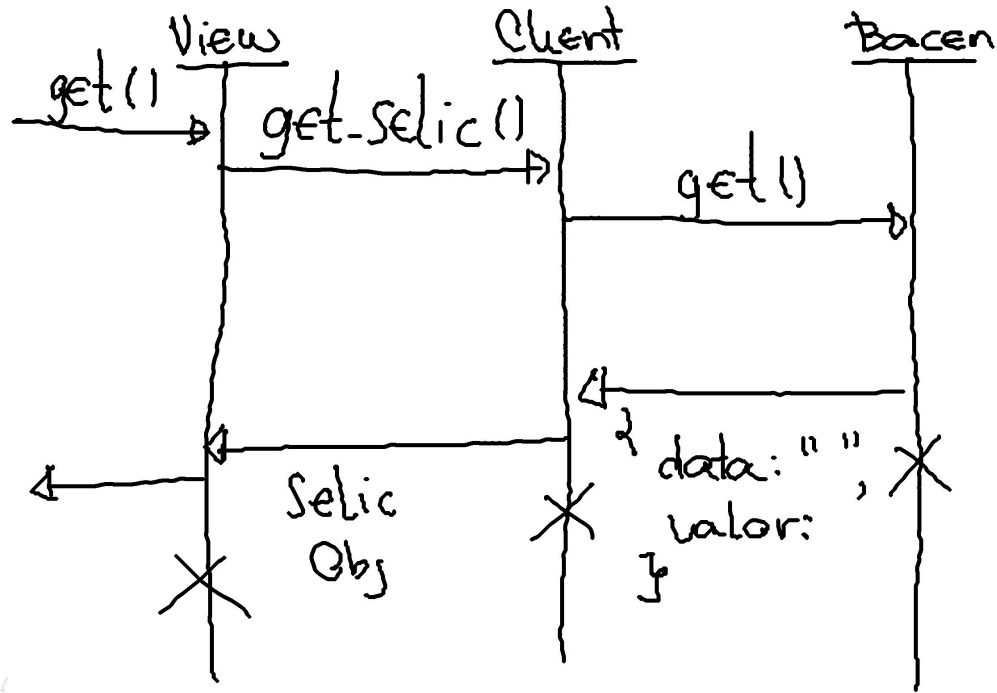


O problema

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



O problema



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, suggesting different levels of connectivity or importance. The lines are thin and gray, creating a mesh-like structure.

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 having concentric circles, indicating a hierarchical or network structure.

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





5. Considerações finais



Considerações

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

Obrigada!

Perguntas?

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