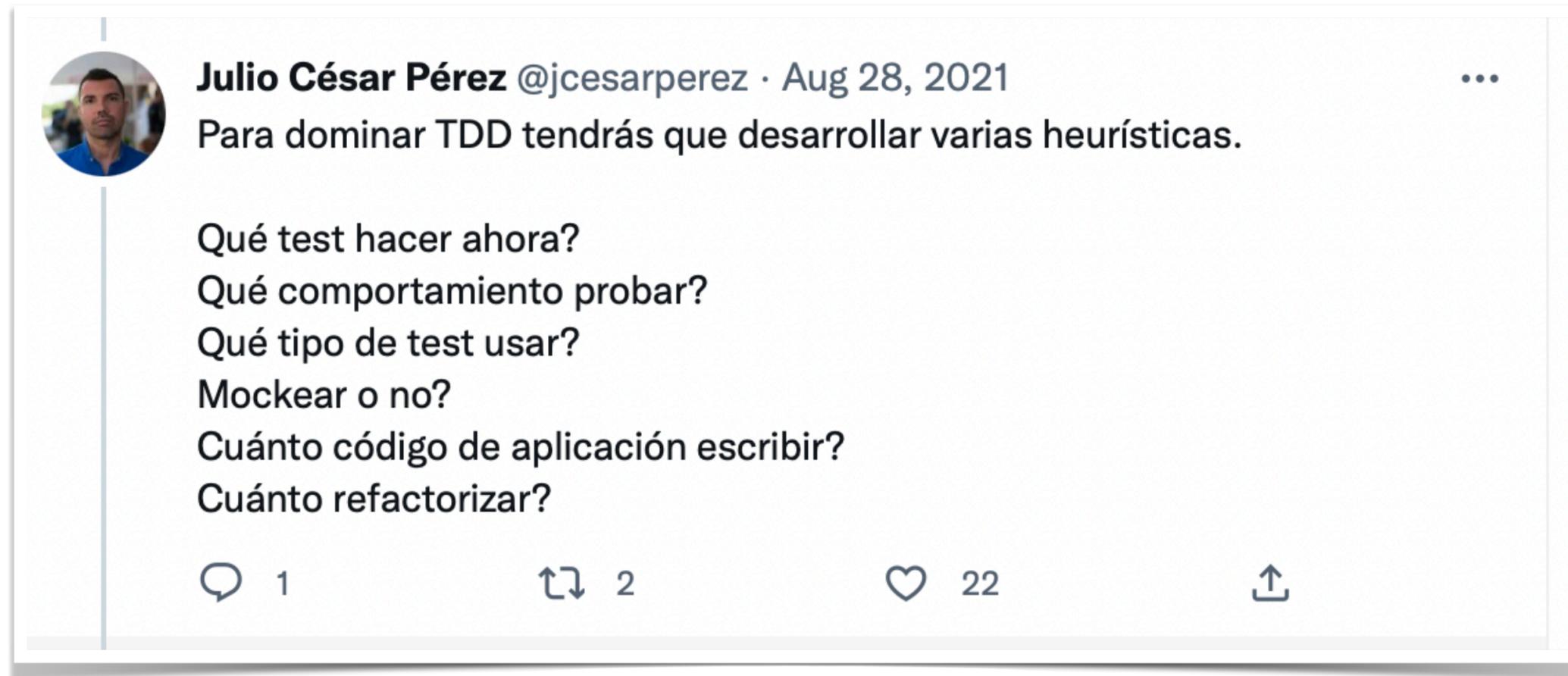
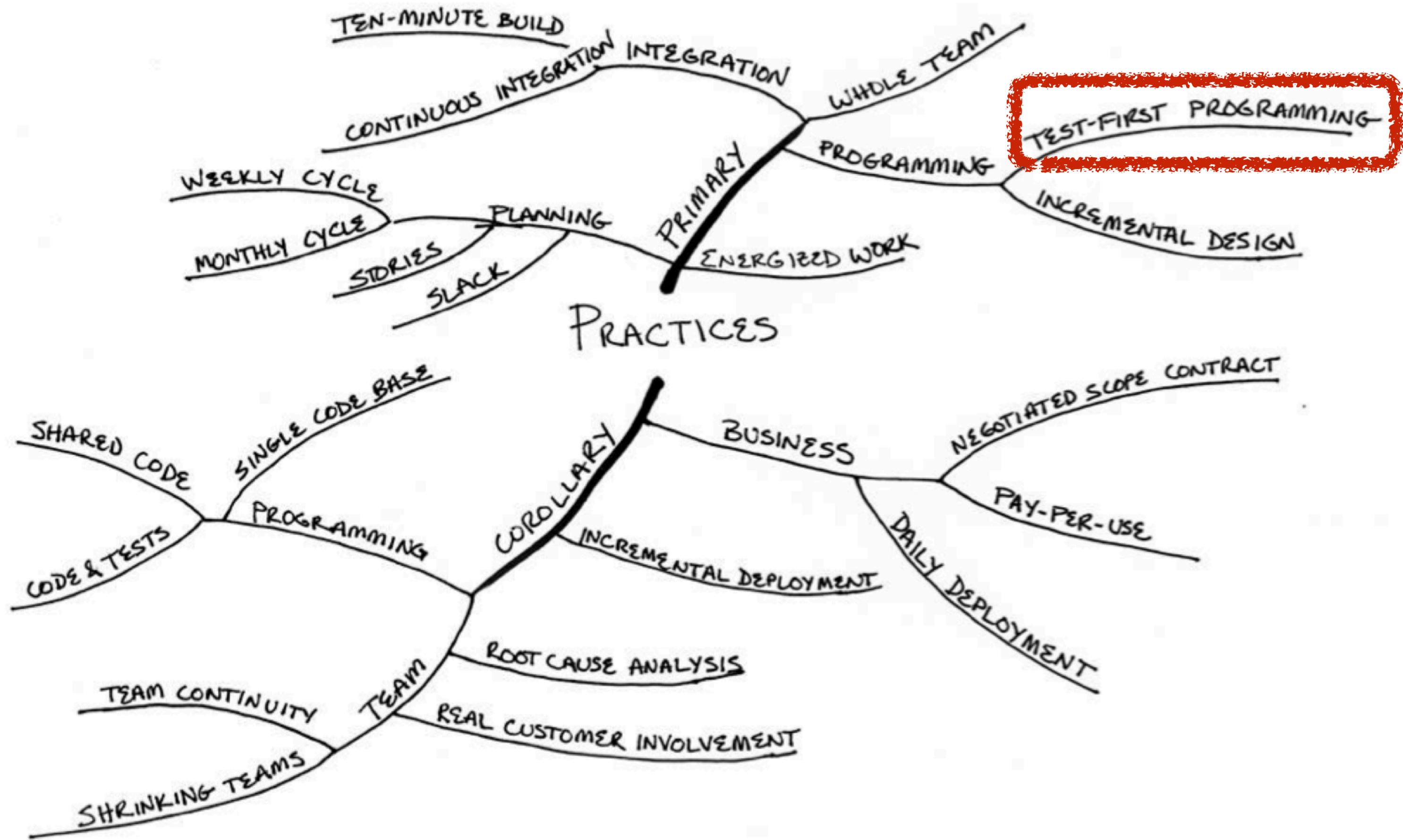
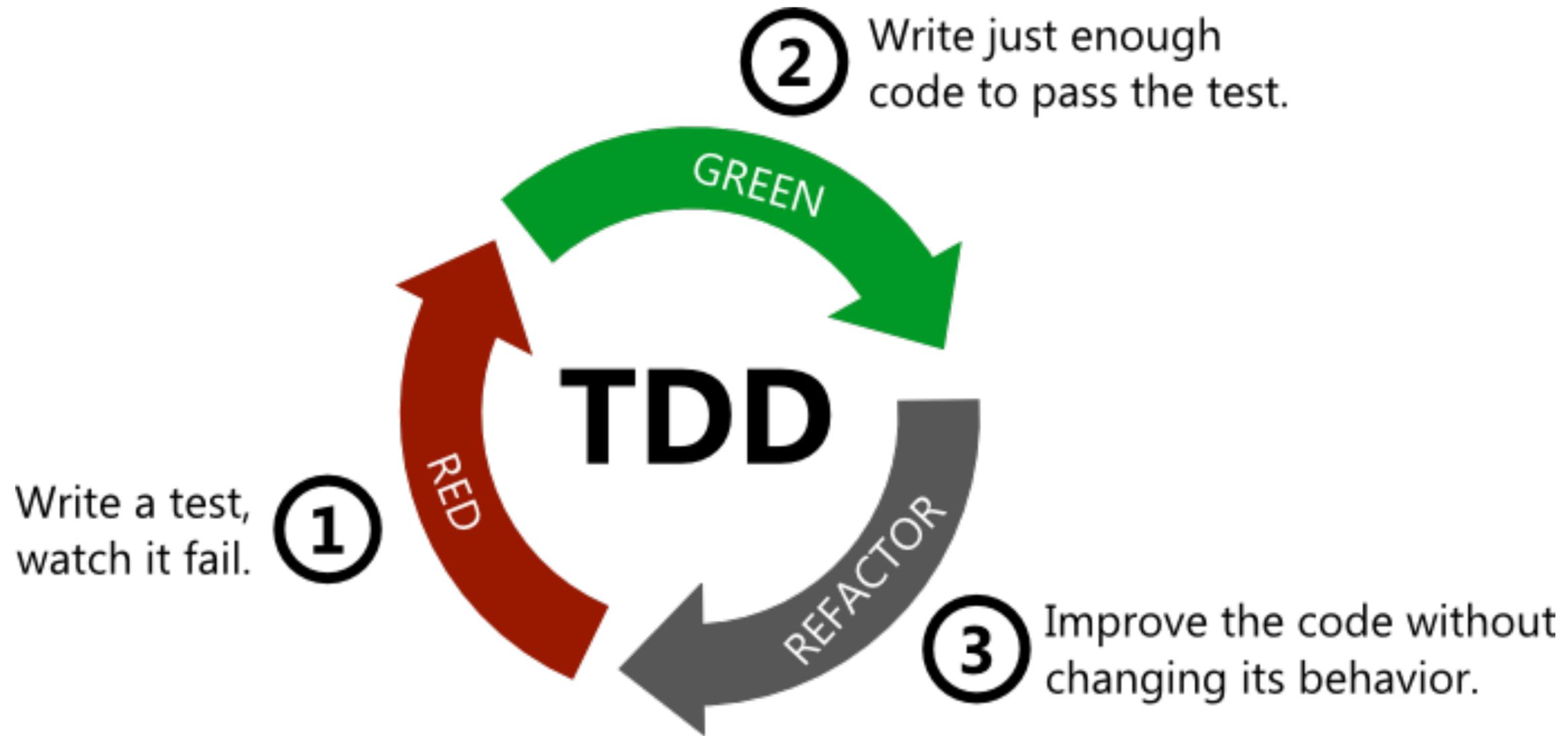


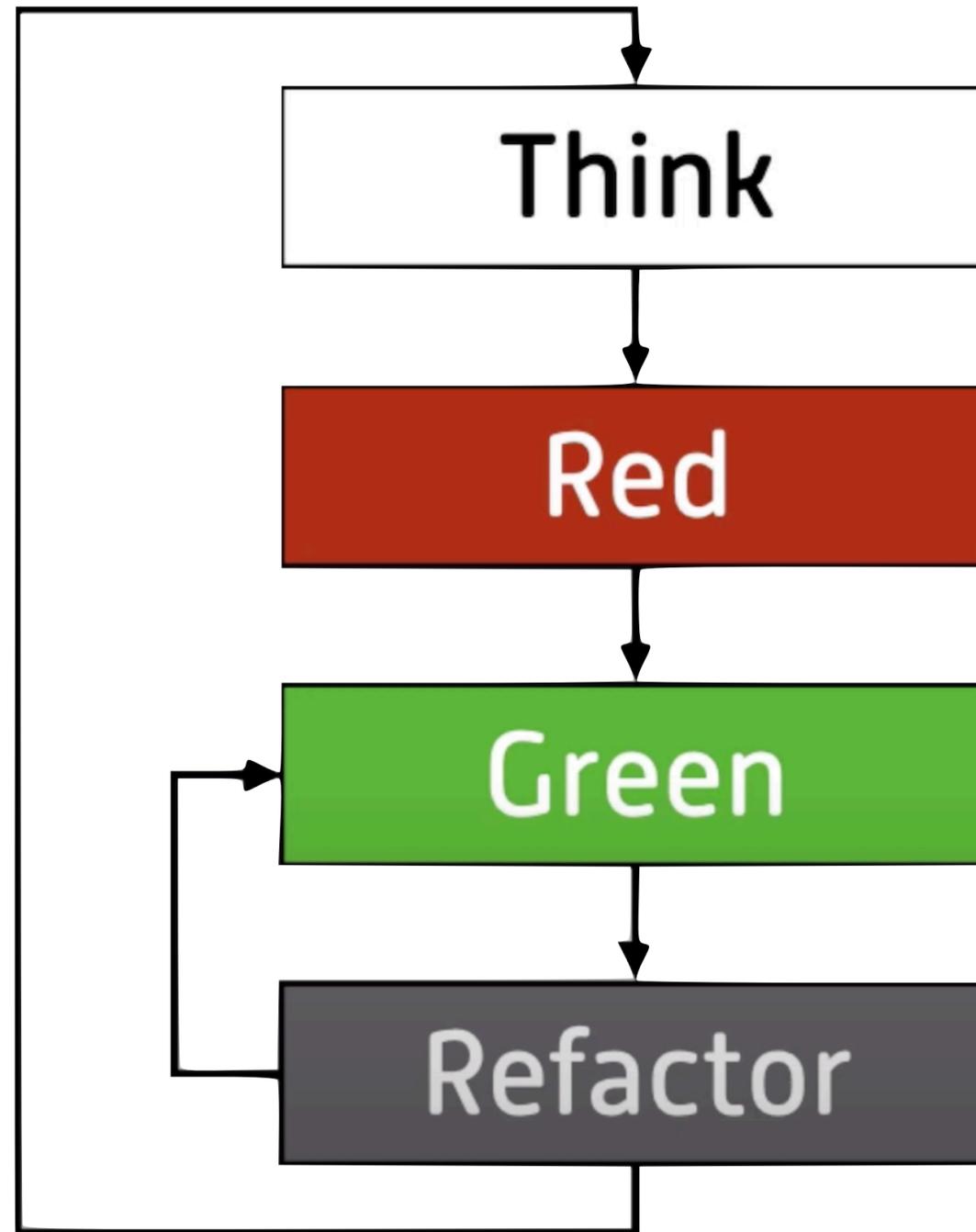
MADS
S7: TDD
(Bloque 2 - XP)

El tweet de la semana







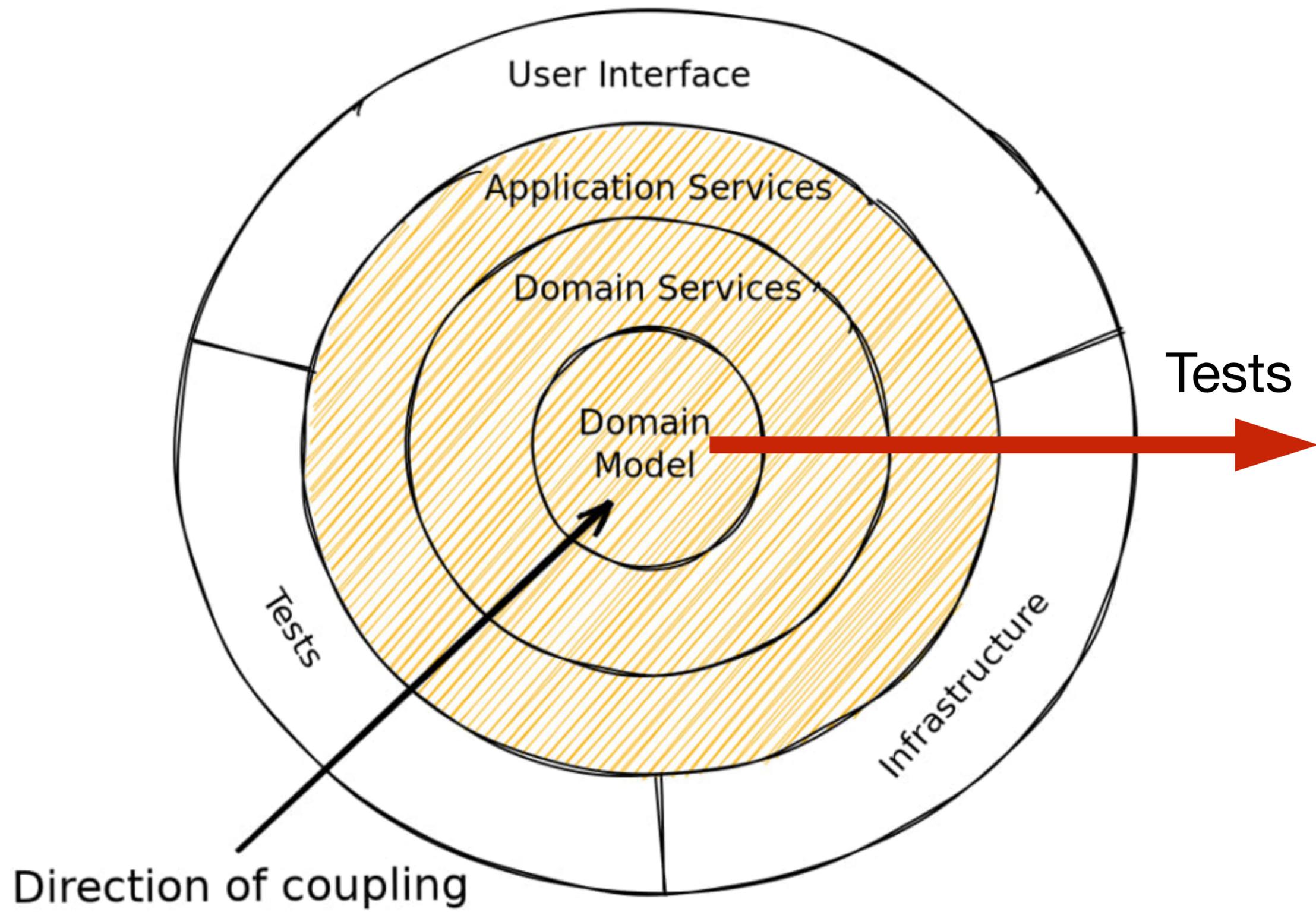


Pequeños incrementos

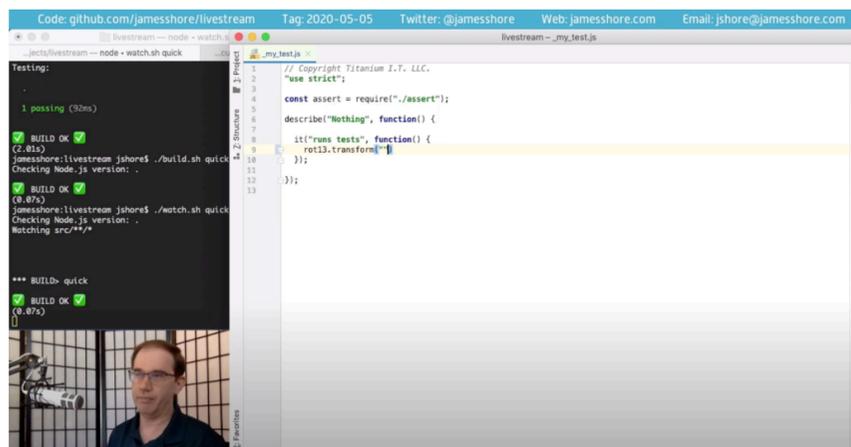
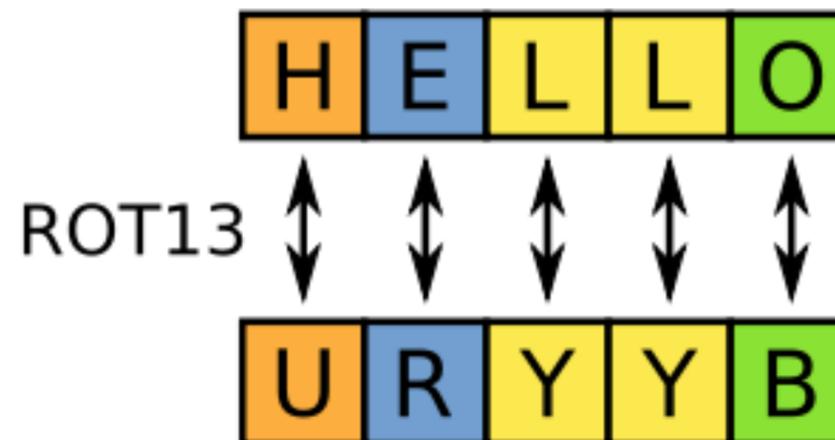
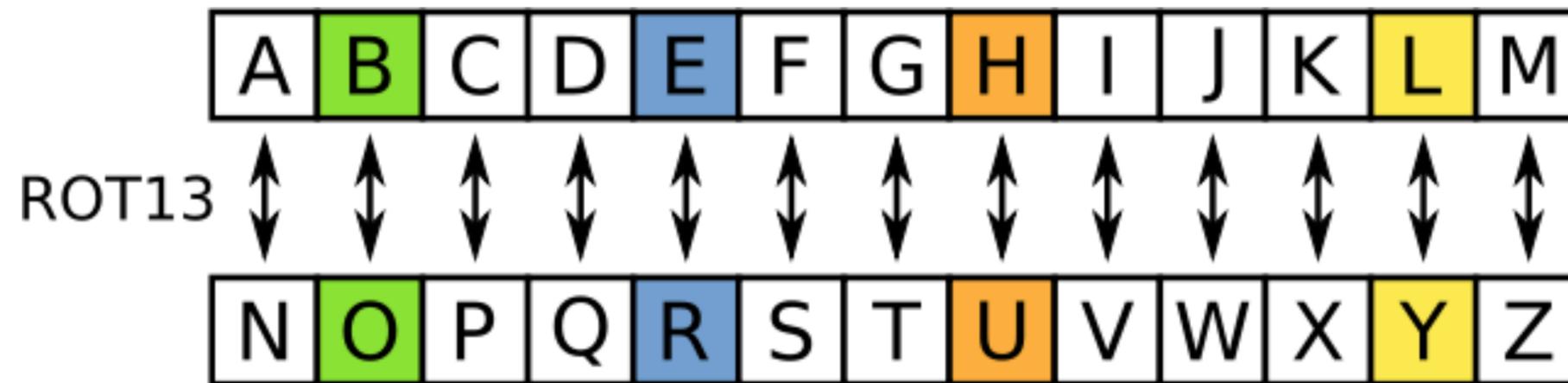


TCR: Test && Commit || Revert

```
settings.json ×
.vscode > settings.json > ...
{
  "editor.fontSize": 24,
  "terminal.integrated.fontSize": 24,
  "editor.lineNumbers": "off",
  "editor.formatOnSave": true,
  "python.formatting.provider": "black",
  "runOnSave.commands": [
    {
      "match": "**/*.py",
      "command": "clear; python ${file} && git commit -am working || git reset --hard",
      "runIn": "terminal"
    }
  ]
}
```



1. Interfaz central
2. Cálculos y condicionales
3. Bucles y generalizaciones
4. Casos especiales y manejo de errores



Ventajas del uso de TDD

- Especificación clara en todo momento. No perdemos el foco ni el objetivo.
- Mejor diseño.
- Confianza, robustez y documentación.
- Ritmo, flujo.

Críticas

- Lentitud -> ¿comparado con qué?
- Exceso de énfasis en tests unitarios y mocks (Hanson)

TDD is dead. Long live testing.

By [David Heinemeier Hansson](#) on April 23, 2014

Test-first fundamentalism is like abstinence-only sex ed: An unrealistic, ineffective morality campaign for self-loathing and shaming.

It didn't start out like that. When I first discovered TDD, it was like a courteous invitation to a better world of writing software. A mind hack to get you going with the practice of testing where no testing had happened before. It opened my eyes to the tranquility of a well-tested code base, and the bliss of confidence it grants those making changes to software.



The screenshot shows a YouTube live stream interface. At the top, there is a search bar and the YouTube logo. The main video area displays a man, David Heinemeier Hansson, speaking. Below the video, there is a name tag for 'David Heinemeier Hansson @dhh'. The video title is 'TW Hangouts | Is TDD dead?' and it has 161,289 views, streamed live on 9 May 2014. The video has 1.6K likes and 39 comments. There are also icons for share, save, and a menu.

Ejemplo: dólares y euros

Cosas por hacer

5 USD + 10 EUR = 10 USD si el cambio es 2:1

5 USD * 2 = 10 USD

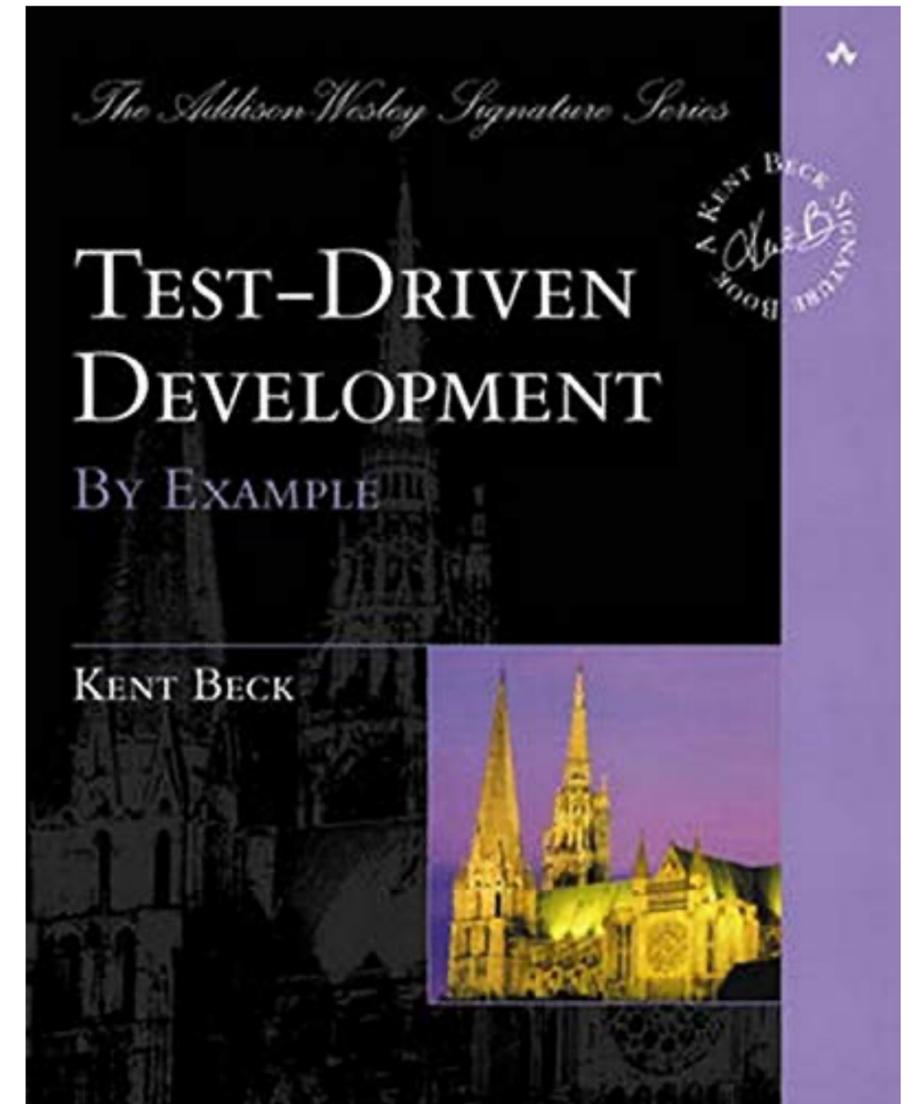
Crear una moneda con 5 dólares

Test creación de 5 dólares

Vamos a especificar el test para el objetivo de crear una moneda de 5 dólares.

```
import org.junit.Test;
import static org.junit.Assert.assertEquals;

public class TestMonedas {
    @Test
    public void testCrearMoneda() {
        Dolar cinco = new Dolar(5);
        assertEquals(5, cinco.cantidad);
    }
}
```



<https://github.com/domingogallardo/tdd-monedas>