System Design

Solving problems

Wining good code (i) maintainibility

- 2) Simple
- $\binom{3}{2}$ Clean

* Ophmization

Why write clean/simple/maintainable code? 1) you are writing code for humans 1) Either a team 21) future self

Is there a Standard for clean code?

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DRY principles

(2) KISS principles

3 SOLID principles

DRY Principles

D -> Don't No duplication of code

R -> Repeat

Y -> Yourself

Why DRY?

1) reduce lines of code (code length)
2) less lines \approx clean/Simple/maintainable

A Remove code duplications



Solves - code smell: I fininology that indicates problem in your well Some code duplication solution

if code is repeated, use methods/fundrous (called as retactioning)

Re-Factoring
Changing the code without
changing the behaviour (furtionality rmains same)

KISS Principles

K - KEEP

1 - IT

S - SIMPLE

S - STUPID

KISS Solves

Untargles complex code

Tamer to read code

code Smell - KISS 1) complicated code 2 hard to follow (3) ("What going on?"

This not tollow this not" breaking the KISS principle

Solution

- (i) Refactoring of code Geasy to understand code
- 2) Now to refactor complex cod?

 Is find alternative ways of writing wide

 I was complex solutions