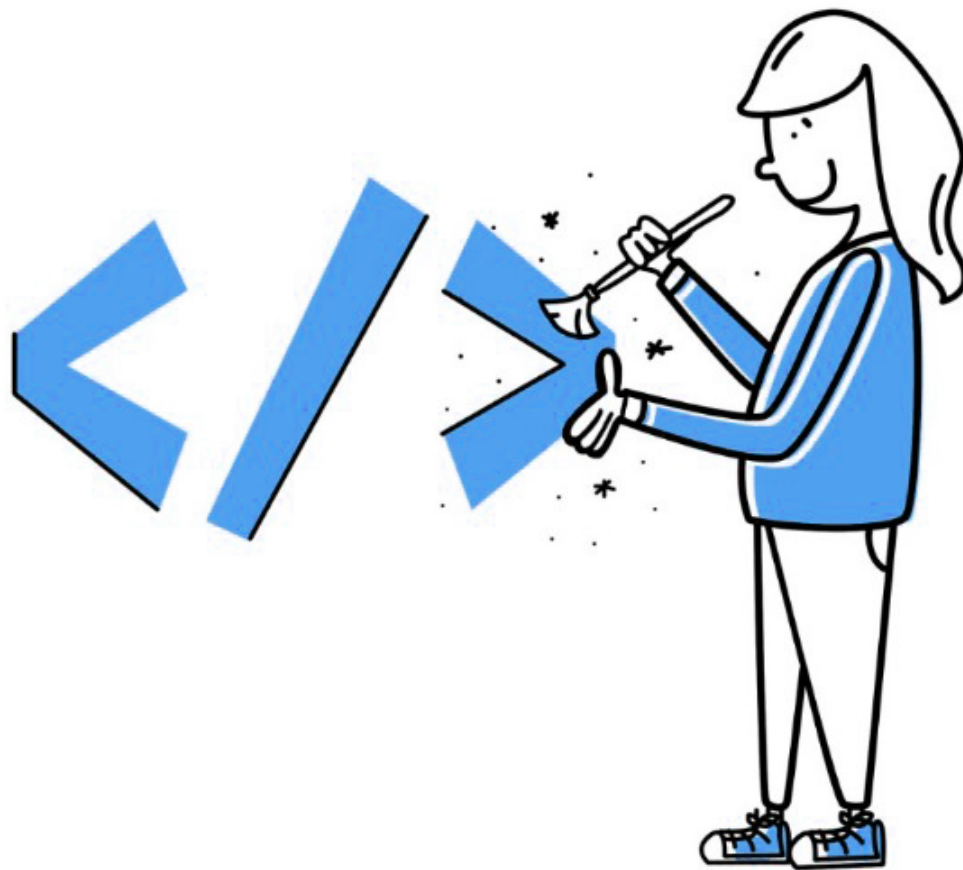# CODE
# REFACTORING

# What is Code Refactoring

Code refactoring is the process of enhancing and improving the code structure without changing its behavior.

# Need of Code Refactoring

Code refactoring is facilitating the code to be more understandable and making it extendable and maintainable. It is a gradual and continuous process.

# How to Refactor Code

One of the refactoring techniques is following the pyramid of refactoring.

The pyramid lower levels support the higher levels.

# Flow

The first block of the pyramid is "Flow" which means putting the statements and variable are related to each other in a small concept together.

# Methods

The next block in the pyramid is "Methods". It means extracting those variables and statements to be inserted into smaller methods.

# Classes

After that a "Classes" block, in this step those small method can be collected in a class, and after adding the related methods in the related classes. patterns can be used.

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# Patterns

In the "Patterns" step using design pattern that fulfill the need can be chosen for creating classes plus applying the object orient programming concepts to provide the best and optimized interaction between classes.

# Architecture

At the top of the pyramid, there is the "Architecture" as we have obtained classes that follow patterns in addition there are packages, modules, and domains, and the architecture is stable now.

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