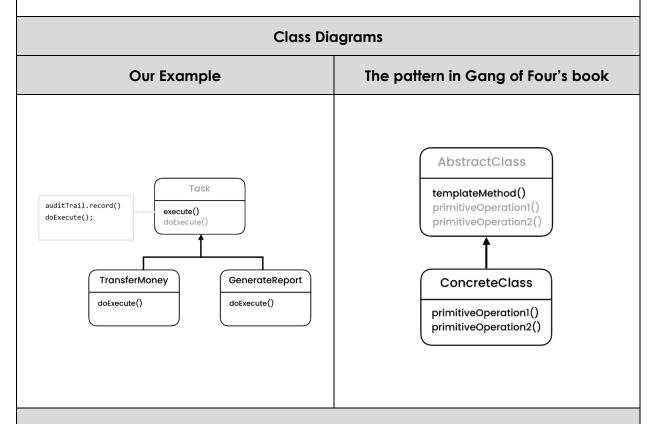
Template method Design Pattern

This pattern is used when a task must be done in some classes and there is a need to define a skeleton for an operation.



Explanation

In our imaginary application, there are TransferMoney and GenerateReport classes that are responsible for money transition generating a report. we need to log every action of a user before the transition or report generating, So there is an AuiditTrail class that is responsible for logging (this class is not in the pattern). in the abstract Task class, we have an execute() method that calls record() method of an AuiditTrail object for logging without considering what the user operation is. The abstract doExecutaion() method is called by execute() method. The TransferMoney and GenerateReport classes must overwrite these methods to do their jobs.

 The GenerateReport is similar to the TransferMoney, class and it is not implemented in code.