## Adapter Design Paltern:

Lets say we have two interfaces 'A' and 'B'. Both are completely different. We use an Adapter a class for communication who A & B interfaces which we can Adapter class.

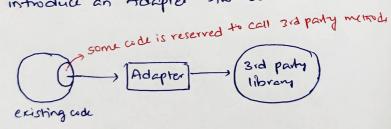
Mymma bhar bas

Real lite example: Using 3.5 mm jack earphones for a type.

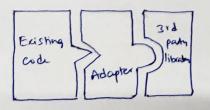
mobile using a dongle.

## Need of this pattern: Joque bas July pol

- to integrate Third-party library to our existing code there our application & 3rd party library are computely different
- → One way is, we reserve some part of existing code to call the methods of third-party library. But this way we are tightly coupling the third-party library.
- -> So, we instruduce an Adapter blu our code and 3rd party



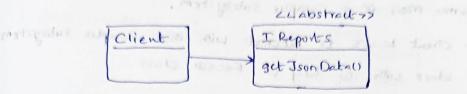
-) Our existing code doesn't know to which 3rd party library we interacting with.



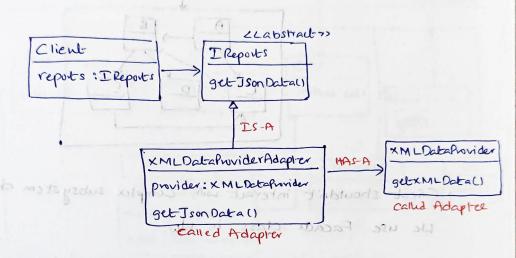
Here existing who and the third party library are completely two different pieces. Therefore we are an adapter to connect him both

## Example:

let client is fetching some reports in some tormat



But lets say it doesn't fetch JEMO JSDN dota itself. We have a third party library which fetches in XML format from which we fetch JSON format



## Definition:

Adapter converts the interface of a class into another interface that client expects.

Adapter lets classes I work together that couldn't otherwise because of incompatible interface.

