Can interact with both and operations

data

operations

Actor
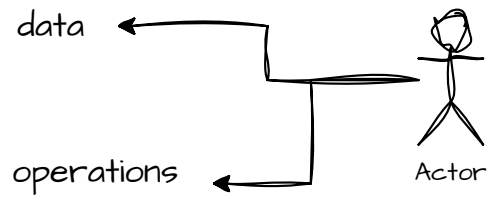
Direct access to data is removed and only operations are opened for access

data

operations

Actor

Ex -

accountNo,
balance

open,
withdraw,
deposit,
display

Actor

accountNo,
balance

open,
withdraw,
deposit,
display

Actor
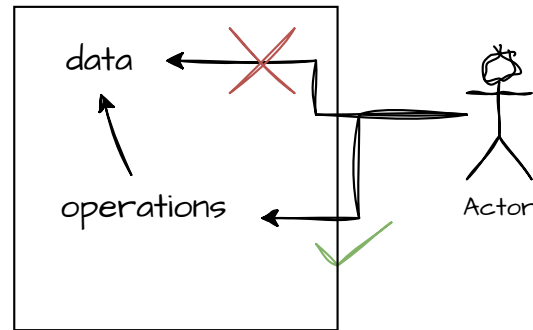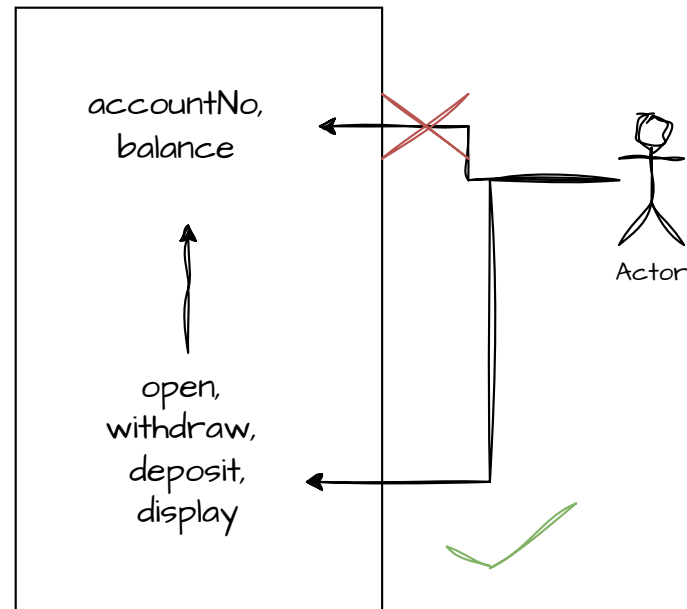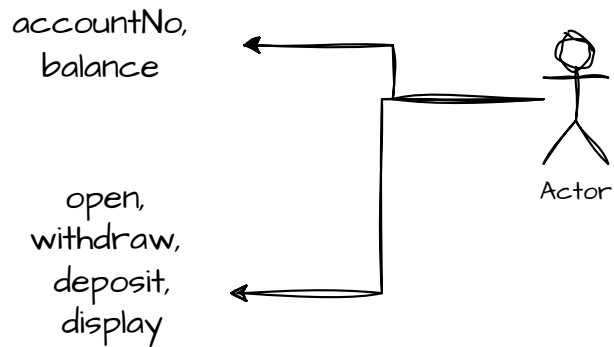
Encapsulation:
 * Combining data and operations
 * Helps in restricting direct access to data.

A class is a template to create an object, it usually combines data and behaviour

```
class Account {
    int accountNo;
    double balance;

    void withdraw(double amt) {......}
    void deposit(double amt) {....}

}
```

Account   acc1 = new Account();
Account   acc2 = new Account();
Account   acc3 = new Account();

acc1 □

accountNo:

balance:

acc2 □

accountNo:

balance:

acc3 □

accountNo:

balance:

acc2 . deposit (2000);

this □

```
void withdraw(double amout) {

    this.balance = this.balance - amount;

}

void deposit(double amount) {

    this.balance = this.balance + amount;

}
```