

# Encapsulation

Encapsulation in object oriented programming typically encompasses two concepts.

- 1.Holds the attributes and behaviours together.
- 2.Prevents the attributes and behaviours from illegitimate access.

For Example :

```
Class BankAccount{  
    public double balance;  
}
```

Without encapsulation it can accessed anywhere without restrictions and we can change directly by saying  
bankAccount.balance = 0;

But normally bankAccount decides whether I can the show the balance or not.  
In real world to get the balance we  
Have provide the pin (and only it's validate then shows)

With Encapsulation :

```
@Getter  
Class BankAccount{  
    private double balance;  
  
    public double displayBalance(Integer pin){  
        if(this.pin == pin){  
            return getBalance();  
        }else{  
            throws exception ("Invalid Pin");  
        }  
    }  
}
```