

3 pillars of oops

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1. Encapsulation => It speaks about security
2. Inheritance => It speaks about reusability
3. Polymorphism => It speaks about flexibility

Datahiding

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Our internal data should not go to the outside world directly that is outside person should not

access our internal data directly.

By using private modifiers we can implement "datahiding".

```
eg:: class Account{  
    private double balance;  
}
```

Advantage of Datahiding is security.

Recommended modifier for data members is private.

Encapsulation

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- Binding of data and corresponding methods into a single unit is called "Encapsulation".
- It also refers to providing controlled access to the most important component (data) of a class using the private keyword, setter and getter method.

Syntax for setter method

- a. compulsory the method name should start with set.
- b. it should be public.
- c. return type should be void.
- d. compulsorily it should have some argument.

Syntax for getter method

- a. compulsory the method name should start with get.
- b. it should be public.
- c. return type should not be void.
- d. compulsorily it should not have any argument.

JavaBean

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It is a simple java class with private properties and public getter and setter methods.