

Encapsulation

Binding of data member and access them inside public method with abstraction is called encapsulation.

Data Hiding:

Declaring variable as private and accessing same in public method called data hiding.

Outside person can not access internal data directly. Data should not go outside directly it should follow proper channel.

Abstraction:

Hiding internal functionality and show only feature which is being offered to user called as encapsulation.

Encapsulation = Abstraction+Data Hiding=Security feature in java.

Getter Method

Getter method is just to get the value of particular variable. Getter method is just providing logic to read data.

Setter Method

Setter method is just to update value of particular variable. setter method is just providing logic to update data.

Example:

Public class DataHiding

```
{  
    Private int balance;  
    Public int getBal()  
    {  
        Balance=10;  
        Return balance;  
    }  
}
```

```

    }

    Public void setBal()
    {
        Balance=balance-10;
        System.out.println("Remaining balance="+balance);
    }
}

Public class Test
{
    Public static void main(String[] args)
    {
        DataHiding dh=new DataHiding();
        Int bal=dh.getBal();//abstraction
        System.out.println("ATM balance is"+bal);
        System.out.println(withdraw 10 rs from ATM);
        Dh.setBal();
    }
}

```