

Encapsulation

Encapsulation in Java is a mechanism of wrapping the data (variables) and code acting on the data (methods) together as a single unit.

Steps to achieve encapsulation

1. Declare the variables of a class as private.
2. Provide public setter and getter methods to modify and view the variables values.

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```
class Employee
{
    ① private int empId; — Data-hiding
    public void setEmpId(int empId1)
    {
        emp_id = empId1;
    }
    public int getEmpId()
    {
        return empId;
    }
}
```

encapsulation

**achieve encapsulation
the variables of a class as private.**