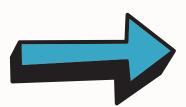
OOP REAL WORLD EXAMPLES ENCAPSULATION







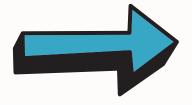




What is Encapsulation?

Encapsulation is the process of wrapping data and methods in a single unit.

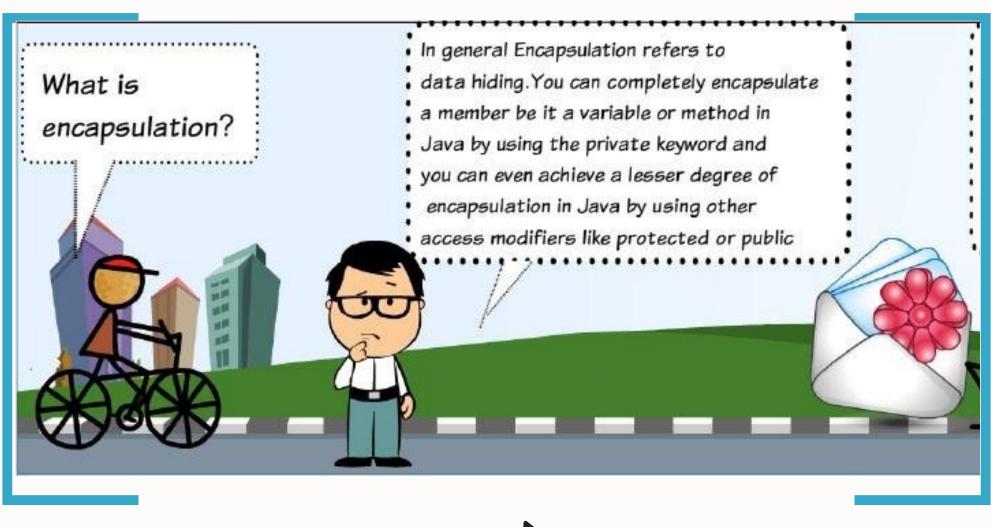
Encapsulation prevents the code and data from being randomly accessed by other code defined outside the class.

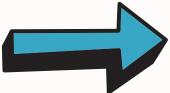










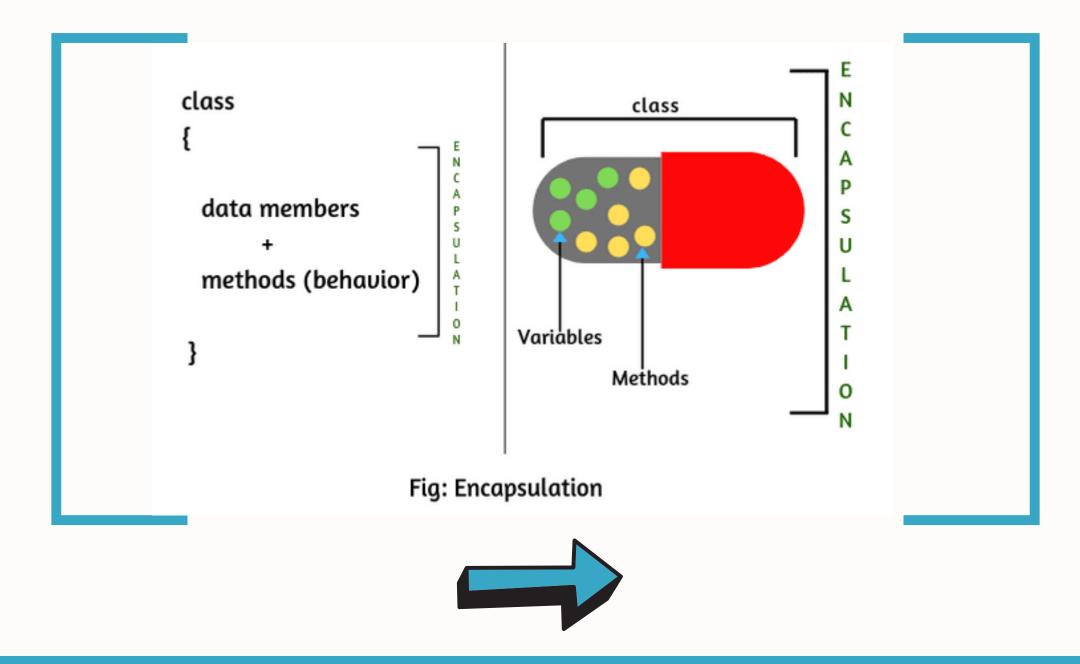








Encapsulating - think about a capsule here.



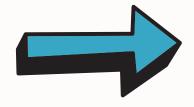






Role of Access Specifier

- The data members should be labeled as private using the private access specifiers.
- The member function which manipulates the data members should be labeled as public using the public access specifier.









Here Poké Ball is a class and it contains Pokémon as a data and it is wrapped inside the Poké Ball as a single unit.









Here automatic cola vending machine is a class. It contains both data i.e. Cola Can and operations integrated under a single unit Cola Vending Machine







