Features of Object-Oriented Programming

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Features of Object-Oriented Programming

1. Encapsulation
2. Hiding
3. Abstraction
4. Inheritance
5. Polymorphism

Encapsulation

- Concept of grouping-up the data and manipulations.
    - **Fields:** Store data
    - **Methods:** Contain manipulations.

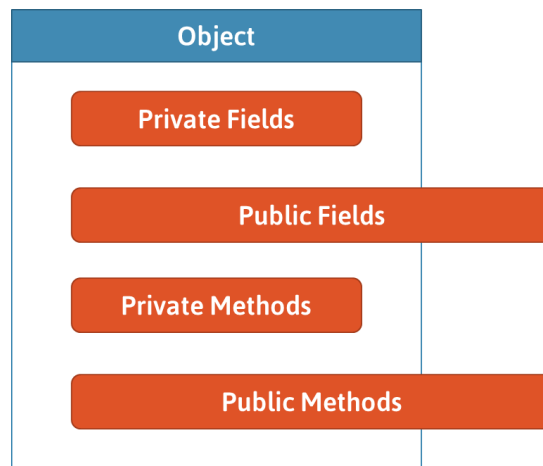**Object**

Fields

Methods

Hiding

- Concept of hiding private data to outside of the object.
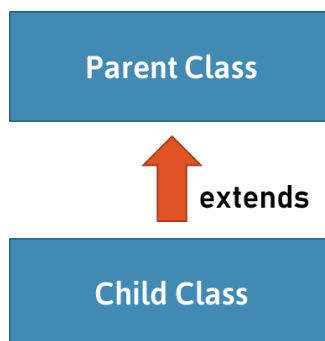- Implemented using "private fields".

Abstraction

- Concept of hiding some private data and providing some public data.
- Implemented using "private fields" and "public methods".

Inheritance

- Concept of extending a class, by creating a child class.

Polymorphism

- Concept of calling different methods, at different situations.