



Java extends Keyword

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Example

The **Car** class (subclass) inherits the attributes and methods from the **Vehicle** class (superclass):

```
class Vehicle {
    protected String brand = "Ford";           // Vehicle attribute
    public void honk() {                        // Vehicle method
        System.out.println("Tuut, tuut!");
    }
}

class Car extends Vehicle {
    private String modelName = "Mustang";      // Car attribute
    public static void main(String[] args) {

        // Create a myCar object
        Car myCar = new Car();

        // Call the honk() method (from the Vehicle class) on the myCar object
        myCar.honk();

        // Display the value of the brand attribute (from the Vehicle class) and the
        System.out.println(myCar.brand + " " + myCar.modelName);
    }
}
```

```
}  
}
```

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Definition and Usage

The **extends** keyword extends a class (indicates that a class is inherited from another class).

In Java, it is possible to inherit attributes and methods from one class to another. We group the "inheritance concept" into two categories:

- **subclass** (child) - the class that inherits from another class
- **superclass** (parent) - the class being inherited from

To inherit from a class, use the **extends** keyword.

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