

# Java Inheritance (Subclass and Superclass)

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.

In the example below, the `Car` class (subclass) inherits the attributes and methods from the `Vehicle` class (superclass):

## Example

Car.java

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

class Car extends Vehicle {
    private String modelName = "Mustang";
    public static void main(String[] args) {
        Car myFastCar = new Car();
        myFastCar.honk();
        System.out.println(myFastCar.brand + " " + myFastCar.modelName);
    }
}
```

Result:

```
Tuut, tuut!
Ford Mustang
```