

# Inheritance



# Inheritance

Access fields & methods from another class into the new class

```
class Dog extends Animal {  
  // can now access all methods from the class Animal  
  // can also define other fields and methods  
  def bark(): Unit = ...  
  
  override def eat(): Unit = ...  
  
  def eat(homework: Homework): Unit = ...  
}
```

overriding: a different implementation than the supertype

overloading: multiple methods with the same name in the same class

## Overloading conditions

- (mandatory) different argument list: number of argument and/or different argument type
- (optional, not enough on its own) different return type

# Scala rocks

