|  |  |  |
| --- | --- | --- |
|  |  | Class animal  {  void makeSound() { |
|  |  | System.out.println("Animal makes a sound"); |
|  |  | } |
|  |  | } |
|  |  |  |
|  |  | class Dog extends Animal { |
|  |  | void makeSound() { |
|  |  | System.out.println("Dog barks"); |
|  |  | } |
|  |  | } |
|  |  |  |
|  |  | class Cat extends Animal { |
|  |  | void makeSound() { |
|  |  | System.out.println("Cat meows"); |
|  |  | } |
|  |  | } |
|  |  |  |
|  |  | public class Polymorphism { |
|  |  | public static void main(String[] args) { |
|  |  | Animal animal = new Animal(); |
|  |  | Animal dog = new Dog(); |
|  |  | Animal cat = new Cat(); |
|  |  | animal.makeSound(); |
|  |  | dog.makeSound(); |
|  |  | cat.makeSound(); |
|  |  | } |
|  |  | } |