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1/*AIM:Write a program to implement single and multilevel inheritance using super keyword.
5package pkg3;
6class Animal {
7    String name;
8    Animal(String name) {
9        this.name = name;}
10 // Method to display the animal's name
11 void display() {
12     System.out.println("Animal Name: " + name);}}
13//Derived class for Single Inheritance
14class Dog extends Animal {
15    String breed;
16    Dog(String name, String breed) {
17        super(name); // Call to the base class constructor
18        this.breed = breed; }
19 // Method to display the dog's breed
20 void display() {
21     super.display(); // Call to the base class method
22     System.out.println("Dog Breed: " + breed);}}
23//Derived class for Multilevel Inheritance
24class Puppy extends Dog {
25    int age;
26    Puppy(String name, String breed, int age) {
27        super(name, breed); // Call to the Dog constructor
28        this.age = age; }
29 // Method to display the puppy's details
30 void display() {
31     super.display(); // Call to the Dog display method
32     System.out.println("Puppy Age: " + age);
33 }
34}
35public class InheritanceExample {
36    public static void main(String[] args) {
37        System.out.println("~A PROJECT BY KASHISH GUPTA");
38        Dog dog = new Dog("Buddy", "Golden Retriever");
39        dog.display();
40        System.out.println();
41        Puppy puppy = new Puppy("Charlie", "Beagle", 1);
42        puppy.display();
43    }
44 }
45
```