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Homework: super, this keyword

Usage of super, this keyword and super(), this() constructor:

```
package superthis;

//Parent class
class Animal {
    String name;
    // Constructor of the Animal class
    public Animal(String name) {
        this.name = name;
        System.out.println("Animal constructor called");
    }
    void eat() {
        System.out.println(name + " is eating");
    }
}

//Child class inheriting from Animal
class Dog extends Animal {
    String breed;
    // Constructor of the Dog class
    public Dog(String name, String breed) {
        // Call to the constructor of the parent class using 'super'
        keyword
        super(name);
        this.breed = breed;
        System.out.println("Dog constructor called");
    }
    // Another constructor in the Dog class using 'this' keyword
    public Dog(String name, String breed, int age) {
```

```

        // Call to the parameterized constructor of the same class using
        'this' keyword
        this(name, breed);
        System.out.println("Dog parameterized constructor called with
age: " + age);
    }
    // Method in Dog class
    void bark() {
        System.out.println(name + " is barking");
    }
}

public class Main {
    public static void main(String[] args) {
        // Create an instance of the Dog class using different
constructors
        Dog myDog1 = new Dog("Tommy", "Pub");
        Dog myDog2 = new Dog("Max", "Pitbull", 3);
        // Call methods of the Dog class
        myDog1.bark();
        myDog1.eat();
        myDog2.bark();
        myDog2.eat();
    }
}

```