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**Experiment # 11: Practicing Multiple and Hybrid Inheritance**

Write Java codes that illustrate multiple and hybrid inheritance. Explain, by adding comments directly in the code, why Java doesn’t compile.

public interface Animal {

    void eat ();

}

public interface Mammal {

    void sleep();

}

public class Dog1 implements Animal, Mammal {

    public void eat(){

        System.out.println("Dog is eating");

    }

    public void sleep(){

        System.out.println("Dog is sleeping");

    }

}

public class HybridInheritance {

    public static void main(String[] args) {

        Dog1 myDog = new Dog1();

        myDog.eat();

        myDog.sleep();

    }

}

public class A {

    void eat ();

}

public class B{

    void sleep();

}

public class C extends A, B {

//It’s Not Possible

}