

9. Write a program in Java to resolve the diamond problem using OOPs' concepts

```
package OnlinePractice2;

interface Animal {

    void sound();

}

interface Dog extends Animal {

    void bark();

}

interface Cat extends Animal {

    void meow();

}

class Pet implements Dog, Cat {

    public void sound() {

        System.out.println("Pet makes a sound");

    }

    public void bark() {

        System.out.println("Dog barks");

    }

    public void meow() {

        System.out.println("Cat meows");

    }

}

public class DiamondOops {

    public static void main(String[] args) {

        // create an object

        Pet pet = new Pet();

    }

}
```

```
        pet.sound();  
        pet.bark();  
        pet.meow();  
    }  
}
```

output-

Pet makes a sound

Dog barks

Cat meows