

```

public class Green extends Red {
    public void method1() {
        System.out.println("Green 1");
    }

    public void method3() {
        System.out.println("Green 3");
    }
}

public class White extends Red {
    public void method2() {
        System.out.println("White 2");
    }

    public void method3() {
        System.out.println("White 3");
    }
}

public class Blue {
    public void method1() {
        System.out.println("Blue 1");
        method2();
    }
    public void method2() {
        System.out.println("Blue 2");
    }
}

public class Red extends Blue {
    public void method2() {
        System.out.println("Red 2");
        super.method2();
    }
}

```

And assuming the following variables have been defined:

```

Blue var1 = new Blue();
Green var2 = new Green();
Object var3 = new White();
Red var4 = new Green();
Blue var5 = new Red();
Blue var6 = new White();

```

Write the output of the following calls.

- i. var1.method1();
- ii. var2.method1();
- iii. var3.method1();
- iv. var4.method1();
- v. ((Blue)var3).method1();
- vi. ((Red)var3).method2();
- vii. ((White)var3).method3();
- viii. ((White)var4).method3();
- ix. ((Green)var5).method3();
- x. ((Red)var5).method1();