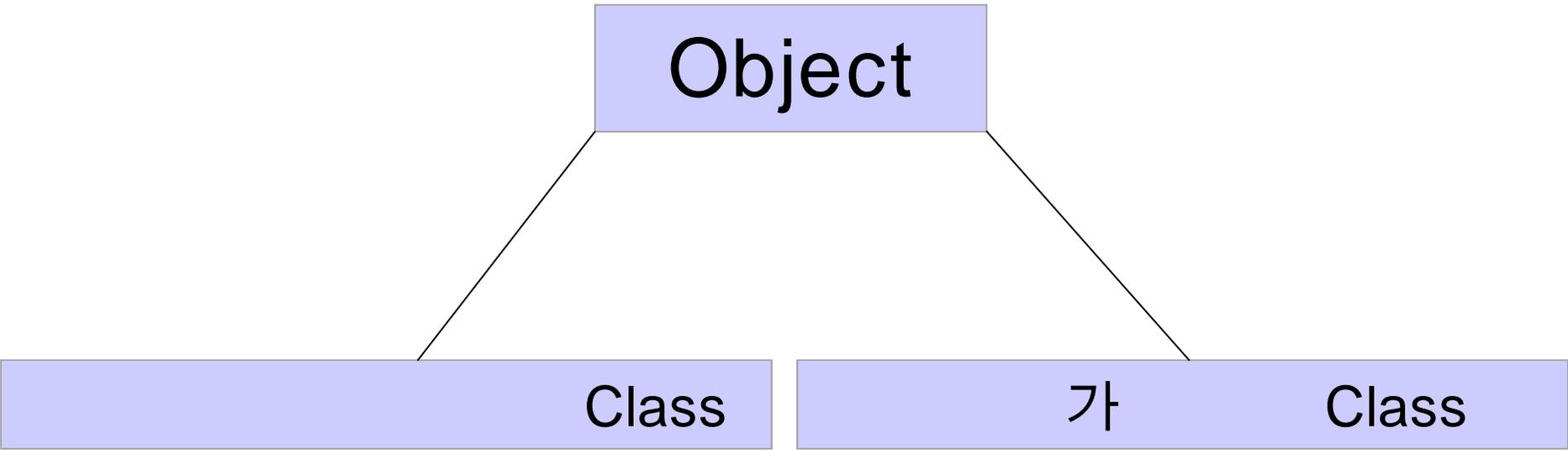


Object

(Object),

(Reflection)

- java.lang.Object



Object

- Object
- Object 가

| Object clone() | | |
|-------------------------------------|---|-------|
| boolean equals(Object obj) | 가 | |
| void finalize() | 가 | |
| Class getClass() | | Final |
| int hashCode() | | |
| void notify() | | Final |
| void notifyAll() | | Final |
| String toString() | | |
| void wait() | | final |
| void wait(long millisec) | | |
| void wait(int millisec, intnanosec) | | |

(Object),

(Reflection)

```
Import java.lang.System;
/* Object                                     TestClass
                                           가 . */
class TestClass {}

class MainClass {
    public static void main(String args[] ) {
        // Object equals()
        // 가 가 .
        // (equals) . !
        TestClass testClass1 = new TestClass();
        TestClass testClass2 = new TestClass();
        if(testClass1.equals(testClass2))
            System.out.println(" .");
    }
}
```

countinue...

(Object),

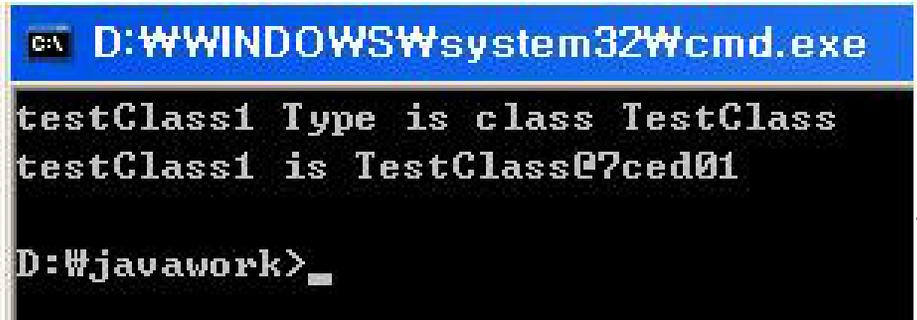
(Reflection)

```
// Object           getClass()  
// getClass()     가           TestClass  
System.out.println("testClass1 Type is " +  
                    testClass1.getClass());
```

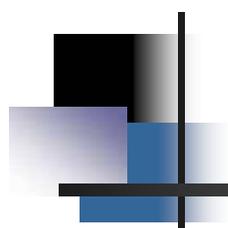
```
// Object           toString()  
// ToString()     가           TestClass!  
System.out.println("testClass1 is " +  
                    testClass1.toString());
```

```
}
```

```
}
```



```
D:\WINDOWS\system32\cmd.exe  
testClass1 Type is class TestClass  
testClass1 is TestClass@7ced01  
D:\javawork>_
```



(Object),

(Reflection)



Class



(Class) getMethods

가 .



가

java.lang.reflect.Method[] ()



(Object),

(Reflection)

```
import java.lang.System;
import java.lang.reflect.Method;

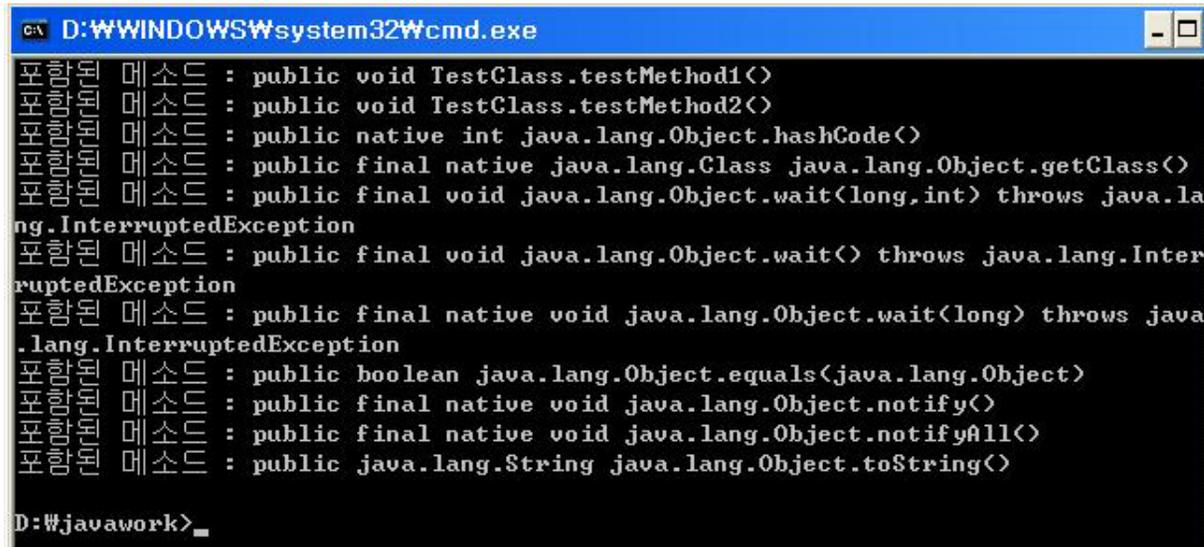
// testMethod1()   testMethod()2   가
class TestClass {
    public void testMethod1() {}
    public void testMethod2() {}
}
class MainClass {
    public static void main(String args[]) {
        //           try ~ catch
        try {
            // Class   forName           Class
            Class c = Class.forName("TestClass");
            /* Class           getMethods()
               가           Method           */
            Method methods[] = c.getMethods();
        }
    }
}
```

countinue...

(Object),

(Reflection)

```
for(int i = 0; i < methods.length; i++) {  
    System.out.println("        : " + methods[i]);  
}  
}  
catch(Exception e) {  
    System.out.println("        : " + e);  
}  
}
```



- TestClass
Object

(testMethod1 2)

(Object),

(Reflection)

■ Object

< >

가,

1. introduceA()
introduceB()

가 KindAClass
가 KindBClass

2. Object 가
KindBClass

KindAClass

3. Object

kindAClass, kindBClass

4. for

Object 가 .

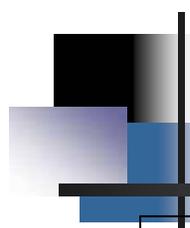
5. 가 Object toString()

6.

introduce

(introduceA

introduceB)



(Object),

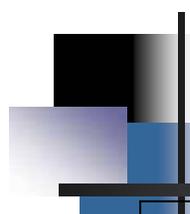
(Reflection)

```
import java.lang.System;

// introduceA()          가 KindAClass
class KindAClass {
    public void introduceA() {
        System.out.println("KindAClass");
    }
}

// introduceB()          가 KindBClass
class KindBClass {
    public void introduceB() {
        System.out.println("KindBClass");
    }
}
```

countinue...



(Object),

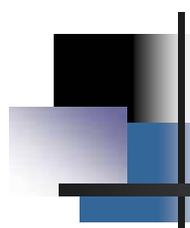
(Reflection)

```
class MainClass {
    public static void main(String args[]) {
        //      object[2]          KindAClass   KindBClass
        Object[] obj = new Object[2];
        obj[0] = new KindAClass();
        obj[1] = new KindBClass();

        KindAClass kindA;
        KindBClass kindB;

        // object[]
        for(int step = 0 ; step<obj.length; step++) {
            // toString
            if(obj[step].toString().startsWith("KindAClass)) {
                //
                kindA = (KindAClass)obj[step];
            }
        }
    }
}
```

countinue...

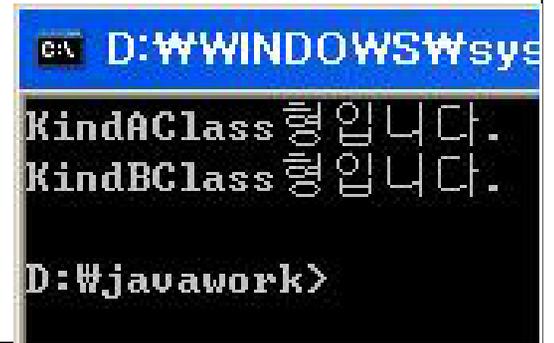


(Object),

(Reflection)

```
// introduceA()
kindA.introduceA();
}

else {
    //
    kindB = (KindBClass)obj[step];
    // introduceB()
    kindB.introduceB();
}
}
}
```



```
D:\W\WINDOWS\sys
KindAClass 입니다.
KindBClass 입니다.
D:\W\javawork>
```