

JAVA Programming

Practice 5: Modifier

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[실습 5-1] 변경자의 개념과 종류



```
package javabook.ch06;

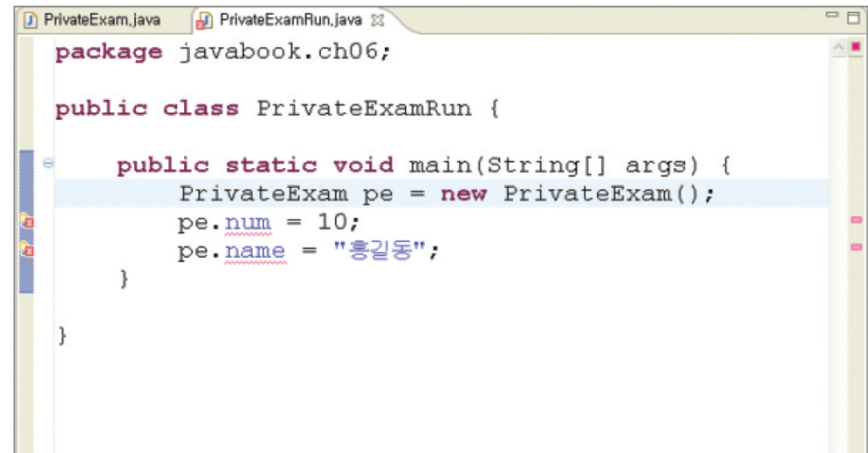
public class PrivateExam {
    private int num;
    private String name;

    public int getNum( ) {
        return num;
    }

    public void setNum(int num) {
        this.num = num;
    }

    public String getName( ) {
        return name;
    }

    public void setName(String name) {
        this.name = name;
    }
}
```



```
package javabook.ch06;

public class PrivateExamRun {

    public static void main(String[] args) {
        PrivateExam pe = new PrivateExam();
        pe.num = 10;
        pe.name = "홍길동";
    }
}
```

[그림 6-4] private 변수의 접근 오류

[실습 5-2] 변경자의 개념과 종류



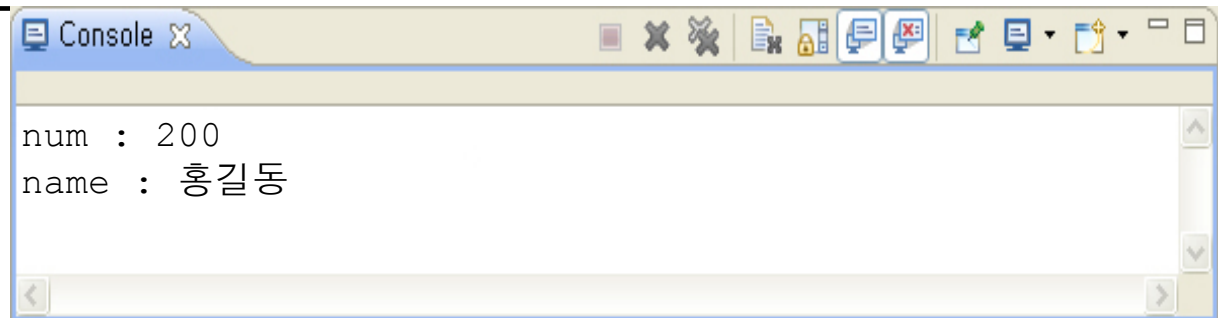
```
package javabook.ch06;

public class PrivateExamRun {

    public static void main(String[ ] args) {
        PrivateExam pe = new PrivateExam( );

        pe.setNum(200);
        pe.setName("홍길동");

        System.out.println("num : " + pe.getNum( ));
        System.out.println("name : " + pe.getName( ));
    }
}
```



[실습 5-3] static 변경자



```
package javabook.ch06;

class MathEx {
    ( ❶ ) double PI = 3.14;

    static int abs(int nNum) {
        if(nNum < 0)
            nNum = nNum * -1;
        return nNum;
    }

    double abs(double dNum) {
        if(dNum < 0)
            dNum = dNum * -1.0;
        return dNum;
    }
}
```

[실습 5-3] static 변경자

```
package javabook.ch06;

class MathEx {
    ( ) double PI = 3.14;

    static int abs(int nNum) {
        if(nNum < 0)
            nNum = nNum * -1;
        return nNum;
    }

    double abs(double dNum) {
        if(dNum < 0)
            dNum = dNum * -1.0;
        return dNum;
    }
}
```

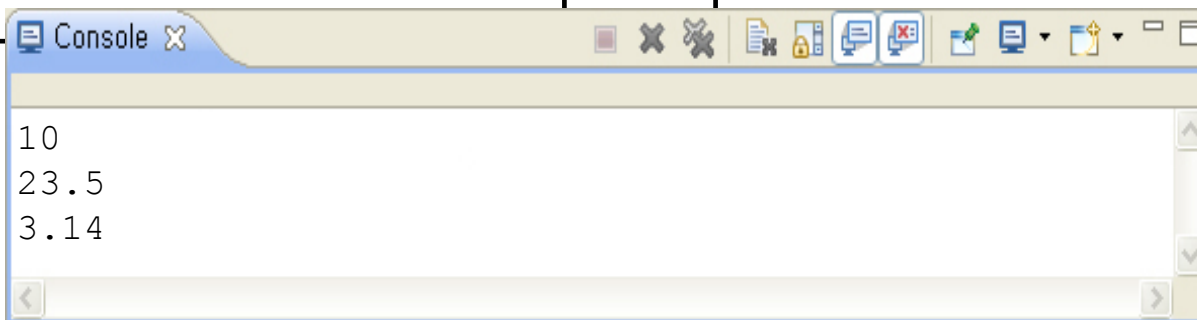
```
public class Extra6_1 {

    public static void main(String[ ]
args) {
        MathEx math = new MathEx( );

        System.out.println((
        ).abs(-10));

        System.out.println((
        ).abs(
        -23.5));

        System.out.println(MathEx.PI);
    }
}
```



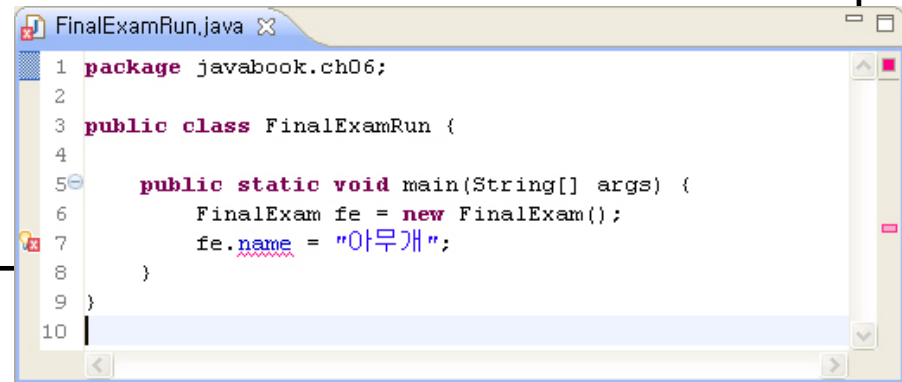
[실습 5-4] final 변경자

```
package javabook.ch06;

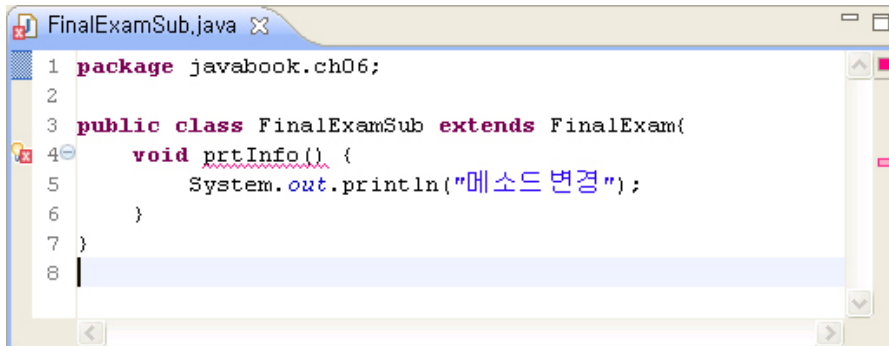
public class FinalExam {

    final String name = "홍길동";
    final void prtInfo( ) {
        System.out.println(name);
    }

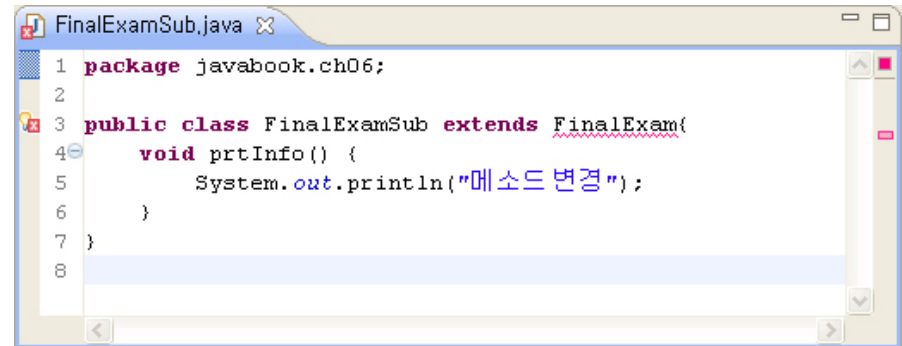
}
```



[그림 6-6] final 변수 변경에 따른 오류 확인



[그림 6-7] final 메소드 변경에 따른 오류 확인



[그림 6-8] final 클래스 상속에 따른 오류 확인

Thank You!
Q&A