```
Code Example
```

All lines with not accessible fields are commented.

```
package packageA;
public class Base {
   public String publicStr = "publicString";
   protected String protectedStr = "protectedString";
   String defaultStr = "defaultString";
   private String privateStr = "privateString";
   public void print() {
       System.out.println("packageA.Base has access to");
       System.out.println("
                            " + publicStr);
       System.out.println("
                             " + defaultStr);
                            " + privateStr);
       System.out.println("
       Base b = new Base(); // -- other Base instance
       System.out.println(" b." + b.publicStr);
       System.out.println("
                           b." + b.protectedStr);
       System.out.println(" b." + b.defaultStr);
       System.out.println(" b." + b.privateStr);
   }
package packageA;
public class SubA extends Base {
   public void print() {
       System.out.println("packageA.SubA has access to");
       System.out.println("
                            " + protectedStr + " (inherited from Base)");
       System.out.println(" " + defaultStr + " (inherited from Base)");
       // -- not accessible - private elements are even not inherited
       // System.out.println(privateStr);
       Base b = new Base(); // -- other Base instance
       System.out.println(" b." + b.publicStr);
       System.out.println(" b." + b.protectedStr);
       System.out.println(" b." + b.defaultStr);
       // -- not accessible
       // System.out.println(b.privateStr);
   }
```

```
package packageA;
public class AnotherA {
   public void print() {
        System.out.println("packageA.AnotherA has access to");
        Base b = new Base();
        System.out.println("
                              b." + b.publicStr);
       System.out.println(" b." + b.protectedStr);
        System.out.println(" b." + b.defaultStr);
        // System.out.println(b.privateStr);
   }
package packageB;
import packageA.Base;
public class SubB extends Base {
   public void print() {
        System.out.println("packageB.SubB has access to");
        System.out.println(" " + publicStr + " (inherited from Base)");
        // -- protectedStr is inherited element -> accessible
        System.out.println("
                             " + protectedStr + " (inherited from Base)");
        // -- not accessible
       // System.out.println(defaultStr);
        // System.out.println(privateStr);
       Base b = new Base(); // -- other Base instance
        System.out.println(" b." + b.publicStr);
        // -- protected element, which belongs to other object -> not accessible
        // System.out.println(b.protectedStr);
       // -- not accessible
       // System.out.println(b.defaultStr);
        // System.out.println(b.privateStr);
    }
package packageB;
import packageA.Base;
public class AnotherB {
    public void print() {
        System.out.println("packageB.AnotherB has access to");
       Base b = new Base();
        System.out.println("
                              b." + b.publicStr);
       // -- not accessible
       // System.out.println(b.protectedStr);
       // System.out.println(b.defaultStr);
        // System.out.println(b.privateStr);
```

Sunday, October 11, 2009 2:04 PM

```
new 2
```