

program in Java to access modifiers

```
package com.example;
```

```
// Public class accessible from anywhere
```

```
public class MyClass {
```

```
    // Private variable accessible only within the class
```

```
    private int privateVar;
```

```
    // Default access constructor accessible within the same package
```

```
    MyClass() {
```

```
        privateVar = 0;
```

```
    }
```

```
    // Public method accessible from anywhere
```

```
    public void publicMethod() {
```

```
        System.out.println("This is a public method.");
```

```
    }
```

```
    // Protected method accessible within the same package and subclasses
```

```
    protected void protectedMethod() {
```

```
        System.out.println("This is a protected method.");
```

```
    }
```

```
    // Default access method accessible within the same package
```

```
    void defaultMethod() {
```

```
        System.out.println("This is a default method.");
```

```
    }
```

```
    // Private method accessible only within the class
```

```
    private void privateMethod() {
```

```
        System.out.println("This is a private method.");
```

```
}  
}
```

```
// Another class in the same package
```

```
class AnotherClass {  
    void accessMyClass() {  
        MyClass myObj = new MyClass();  
        myObj.publicMethod(); // Accessible  
        myObj.protectedMethod(); // Accessible  
        myObj.defaultMethod(); // Accessible  
        // myObj.privateMethod(); // Not accessible (private)  
    }  
}
```