Chapter 12 Access Modifiers by Munawar

Access Modifiers in Java

Access modifiers determine whether other classes can use a particular field on invoke a particular method can be public, private, protected or default (no modifier).

Modifier	Class	Package	Subclass	World
Public	Y	Y	Y	Y
Protected	Y	Y	Y	N
No Modifier	Y	Y	N	N
Private	Y	N	N	N

Source Code

```java
import javax.swing.plaf.synth.SynthTextAreaUI;
import java.util.Scanner;
import java.util.Random;
class C1{
    public int x=5;
    protected int y=42;
    int z=44;
    private int k=100;
    public void funct(){
        System.out.println("Class C1");
        System.out.println(x);
        System.out.println(y);
        System.out.println(k);
        System.out.println(z);
    }
}
public class Main {
    public static void main (String [] args) {

        C1 c1=new C1();
        c1.funct();
        System.out.println("Main class");
        System.out.println(c1.x);
        System.out.println(c1.y);
        System.out.println(c1.z);
```

```
//          System.out.println(c1.k); // error occur because k is private

    }

}
```

Thank You