2.Writing a program in Java to implement access modifiers

public class AccessModifiersExample {

public static void main(String[] args) {

MyClass myObject = new MyClass();

myObject.publicMethod();

// myObject.privateMethod(); // This line will cause a compilation error

myObject.defaultMethod();

myObject.protectedMethod();

}

}

class MyClass {

public void publicMethod() {

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

}

private void privateMethod() {

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

}

void defaultMethod() {

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

}

protected void protectedMethod() {

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

}

}

OUTPUT:

This is a public methodThis is a default method

This is a protected method