package assistedpracticeproject2;

public class AccessModifiers {

public int publicVariable = 10;

private int privateVariable = 20;

protected int protectedVariable = 30;

int defaultVariable = 40;

public void publicMethod() {

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

}

private void privateMethod() {

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

}

protected void protectedMethod() {

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

}

void defaultMethod() {

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

}

public static void main(String[] args) {

AccessModifiers am = new AccessModifiers();

am.publicVariable = 50;

System.out.println("Value of public variable: " + am.publicVariable);

am.publicMethod();

am.protectedVariable = 70;

System.out.println("Value of protected variable: " + am.protectedVariable);

am.protectedMethod();

)

am.defaultVariable = 80;

System.out.println("Value of default variable: " + am.defaultVariable);

am.defaultMethod();

}

}