**Sourcecode:**

**package** practise1;

**public** **class** access\_mod {

**public** **static** **void** main(String[] args) {

MyClass myObject = **new** MyClass();

myObject.publicMethod();

**int** publicVar = myObject.publicVariable;

myObject.protectedMethod();

**int** protectedVar = myObject.protectedVariable;

myObject.defaultMethod();

**int** defaultVar = myObject.defaultVariable;

// because private members are not accessible outside the class

}

}

**class** MyClass {

**public** **int** publicVariable;

**protected** **int** protectedVariable;

**int** defaultVariable;

**private** **int** privateVariable;

**public** **void** publicMethod() {

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

}

**protected** **void** protectedMethod() {

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

}

**void** defaultMethod() {

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

}

**private** **void** privateMethod() {

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

}

}

Output:

