1. Public access modifier:

package com.assignment.publicaccess;

public class PublicClass {

public void publicMethod() {

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

}

}

package com.assignment.publicaccess;

public class TestPublic {

public static void main(String[] args) {

PublicClass obj = new PublicClass();

obj.publicMethod();

}

}

1. Private access modifier:

package com.assignment.privateaccess;

public class PrivateClass {

private void privateMethod() {

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

}

}

package com.assignment.privateaccess;

public class TestPrivate {

public static void main(String[] args) {

PrivateClass obj = new PrivateClass();

}

}

1. Protected access modifier:

package com.assignment.protected access;

public class ProtectedClass {

protected void protectedMethod() {

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

}

}

package com.assignment.protected access;

public class SubProtectedClass extends ProtectedClass {

public void callProtectedMethod() {

protectedMethod();

}

}

5)Default access modifiers:

package com.assignment.defaultaccess;

class DefaultClass {

void defaultMethod() {

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

}

}

package com.assignment.defaultaccess;

public class TestDefault {

public static void main(String[] args) {

DefaultClass obj = new DefaultClass();

obj.defaultMethod();

}

}

6) Task 2:

package com.assignment.main;

import com.assignment.publicaccess.PublicClass;

import com.assignment.protectedaccess.ProtectedClass;

public class MainClass {

public static void main(String[] args) {

PublicClass publicObj = new PublicClass();

publicObj.publicMethod();

ProtectedClass protectedObj = new ProtectedClass();

}

}