

Solution:-

protectedex.java (package protectedEx)

```
package protectedEx;

public class protectedex {
    void defaultMethod() {
        System.out.println("Inside Method with DEFAULT Access Modifier");
    }

    /*
     * This method can be accessed from any class in Java world depend on
the
     * visibility of CLASS.
     */
    public void publicMethod() {
        System.out.println("Inside Method with PUBIC Access Modifier");
    }

    /*
     * This method can not be accessed from outside of class.
     */
    private void privateMethod() {
        System.out.println("Inside Method with PRIVATE Access Modifier");
    }

    /*
     * This method can be accessed withing same package and subclass in any
     * package.
     */
    protected void protectedMethod() {
        System.out.println("Inside Method with PROTECTED Modifier");
    }
}
```

protectedEx1.java (package protectedEx1)

```
package protectedEx1;

import protectedEx.protectedex;

public class protectedEx1 extends protectedex {

    public static void main(String[] args) {

        //Create the object of the sub class protectedEx1
        protectedEx1 p1=new protectedEx1();
        //call the super class protected method
        p1.protectedMethod();

    }
}
```

output

