

```

public class Main {
    public static List<ModuleLayer> layers;

    public static void main(String[] args) throws
ReflectiveOperationException {
        new Main();
    }

    public Main() throws ClassNotFoundException, NoSuchMethodException,
InvocationTargetException, IllegalAccessException {

        layers = createApplicationLayers();

        layers.get(0).findLoader("de.arkadi.hello.caller")
            .loadClass("de.arkadi.hello.caller.Caller")
            .getMethod("main", String[].class)
            .invoke(null, (Object) new String[0]);
    }

    public static List<ModuleLayer> getLayers() {
        return layers;
    }

    private static List<ModuleLayer> createApplicationLayers() {

        Path mods = Paths.get("out/libs");

        ModuleLayer good = createLayer(
            List.of(ModuleLayer.boot()),
            mods.resolve("good"),
            "de.arkadi.hello.good");

        ModuleLayer bad = createLayer(
            List.of(ModuleLayer.boot()),
            mods.resolve("bad"),
            "de.arkadi.hello.bad");

        ModuleLayer iService = createLayer(
            List.of(ModuleLayer.boot()),
            mods.resolve("serviceinterface"),
            "de.arkadi.hello.serviceinterface");

        ModuleLayer iCaller = createLayer(
            List.of(good, bad, iService),
            mods.resolve("caller"),
            "de.arkadi.hello.caller");

        ModuleLayer iProvider = createLayer(
            List.of(good, iService),
            mods.resolve("provider"),
            "de.arkadi.hello.provider");

        return List.of(iCaller, iService, iProvider, good, bad);
    }
}

```