Lets assume the following java source files structure

- /home/poo/example/src/package1/Class1.java
- /home/poo/example/src/package1/Class2.java
- /home/poo/example/src/package2/Class3.java *(main class)*

Compile, execute and build the jar of the project

Change directory to /home/poo/workspace/example/src/:

```
$ cd /home/poo/workspace/example/src/
```

Execute the Java Compiler javac for all classes:

```
$ javac package1/*.java package2/*.java
```

Execute the program:

from the same location:

```
$ java package2.Class3
```

from other locations:

```
$ java -cp /home/poo/workspace/example/src/package2.Class3
```

Create the executable .jar:

```
$ echo Main-Class: package2.Class3 > manifest.mf
$ jar -cmf manifest.mf example.jar package1 package2
```

Execute the executable .jar:

```
$ java -jar example.jar
```

Get UML from code

Using the free eclipse plugin objectaid Class Diagram is possible to extract "UML" diagrams automatically from the source code (www.objectaid.net; install only Class Diagram; no warranties are provided on the soundness of this software; not installed in lab).

IMPORTANT: THE GENERATED DIAGRAM DO NOT MEET THE UML STANDARD, e.g. VISIBILITY it uses icon instead of { +, -, #, ~}

new>other>objective aid>Class Diagram

Drag a drop your packages and classes to the diagram

Fix the layout

Done! (20 secs in this example)