```
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop (master)
$ mkdir HW2
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop (master)
$ cd HW2
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2 (master)
$ mkdir executable-one
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2 (master)
$ cd executable-one/
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-one (master)
$ mkdir libs
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-one (master)
$ mkdir out
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-one (master)
$ touch README.md
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-one (master)
$ mkdir src
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-one (master)
$ mkdir src/main
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-one (master)
$ mkdir src/main/java
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-one (master)
$ mkdir src/main/java/com
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-one (master)
$ mkdir src/main/java/com/exec
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-one (master)
$ mkdir src/main/java/com/exec/one
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-one (master)
$ mkdir src/main/resources
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-one (master)
$ vi src/main/java/com/exec/one/Main.java
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-one (master)
$ mkdir src/main/resources/META-INF
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-one (master)
$ vi src/main/resources/META-INF/MANIFEST.MF
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-one (master)
$ javac -cp ./src/main/java ./src/main/java/com/exec/one/*.java -d ./out/
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-one (master)
$ jar cvfm ExecutableOne.jar ./src/main/resources/META-INF/MANIFEST.MF -C ./out/ .
added manifest
adding: com/(in = 0) (out= 0)(stored 0%)
adding: com/exec/(in = 0) (out= 0)(stored 0%)
adding: com/exec/one/(in = 0) (out= 0)(stored 0%)
adding: com/exec/one/Main.class(in = 431) (out= 299)(deflated 30%)
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-one (master)
$ java -jar ./ExecutableOne.jar
Main Class Start
```

```
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-one (master)
$ mkdir src/main/java/com/exec/one/service
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-one (master)
$ vi src/main/java/com/exec/one/service/MagicService.java
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-one (master)
$ vi src/main/java/com/exec/one/Main.java
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-one (master)
$ javac -cp ./src/main/java ./src/main/java/com/exec/one/*.java ./src/main/java/com/exec/one/**/*.java -d ./out/
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-one (master)
$ jar cvfm ExecutableOne.jar ./src/main/resources/META-INF/MANIFEST.MF -C ./out/ .
added manifest
adding: com/(in = 0) (out= 0)(stored 0%)
adding: com/exec/(in = 0) (out= 0)(stored 0%)
adding: com/exec/one/(in = 0) (out= 0)(stored 0%)
adding: com/exec/one/Main.class(in = 1009) (out= 560)(deflated 44%)
adding: com/exec/one/service/(in = 0) (out= 0)(stored 0%)
adding: com/exec/one/service/MagicService.class(in = 380) (out= 262)(deflated 31%)
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-one (master)
$ java -jar ExecutableOne.jar
Main Class Start
MESSAGE : Magic Message
```

```
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-one (master)
$ cd ..
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2 (master)
$ mkdir executable-two
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2 (master)
$ cd executable-two/
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-two (master)
$ mkdir libs
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-two (master)
$ mkdir out
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-two (master)
$ mkdir src
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-two (master)
$ mkdir src/main
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-two (master)
$ mkdir src/main/java
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-two (master)
$ mkdir src/main/java/com
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-two (master)
$ mkdir src/main/java/com/exec
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-two (master)
$ mkdir src/main/java/com/exec/two
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-two (master)
$ vi ./src/main/java/com/exec/two/Main.java
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-two (master)
$ mkdir src/main/resources
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-two (master)
$ mkdir src/main/resources/META-INF
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-two (master)
$ vi src/main/resources/META-INF/MANIFEST.MF
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-two (master)
$ touch README.md
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-two (master)
$ mv ~/Desktop/HW2/executable-one/ExecutableOne.jar ~/Desktop/HW2/executable-two/libs
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-two (master)
$ javac -cp ./src/main/java  ./src/main/java/com/exec/two/*.java -d ./out/  -classpath ./libs/ExecutableOne.jar
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-two (master)
$ cp libs/ExecutableOne.jar ./out/
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-two (master)
$ cd ./out
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-two/out (master)
$ tar xf ExecutableOne.jar
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-two/out (master)
$ rm ExecutableOne.jar
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-two (master)
$ jar cvfm ExecutableTwo.jar ./src/main/resources/META-INF/MANIFEST.MF -C ./out/ .
added manifest
adding: .DS_Store(in = 6148) (out= 178)(deflated 97%)
ignoring entry META-INF/
ignoring entry META-INF/MANIFEST.MF
adding: com/(in = 0) (out= 0)(stored 0%)
adding: com/exec/(in = 0) (out= 0)(stored 0%)
adding: com/exec/one/(in = 0) (out= 0)(stored 0%)
adding: com/exec/one/Main.class(in = 1009) (out= 560)(deflated 44%)
adding: com/exec/one/service/(in = 0) (out= 0)(stored 0%)
adding: com/exec/one/service/MagicService.class(in = 380) (out= 262)(deflated 31%)
adding: com/exec/two/(in = 0) (out= 0)(stored 0%)
adding: com/exec/two/Main.class(in = 1061) (out= 588)(deflated 44%)
veronikaantonenko@MacBook-Pro-Veronika ~/Desktop/HW2/executable-two (master)
$ java -jar ./ExecutableTwo.jar
Executable-Two Main
MagicService from Executable-ONE
MESSAGE: Magic Message
```