Ques1) Add a gradle dependency and its related repository url.

```
repositories {
    mavenCentral()
}
//adding dependecies
dependencies {
    testCompile group: 'junit', name: 'junit', version: '4.12'
}
```

Ques2) Using java plugin, make changes in the manifest to make the jar executable. Using java -jar JAR_NAME, the output should be printed as "Hello World"

```
jar{
    manifest.attributes("Main-class" : "Q1")
}
```

```
Terminal:   Local ×   Local (2) ×   +
ankit@ankit:libs $ java -jar Ques1-1.0-SNAPSHOT.jar
hello world
ankit@ankit:libs $ ▮
```

Ques3) Differentiate between the different dependency scopes: compile, runtime, testCompile, testRuntime using different dependencies being defined in your build.gradle.

```
dependencies {
        testCompile group: 'junit', name: 'junit', version: '4.12'
        compile group: 'joda-time', name: 'joda-time', version: '2.10.5'
        runtime group: 'commons-collections' ,name: 'commons-collections' ,version: '3.2.2'
        testRuntime group: 'commons-lang' ,name: 'commons-lang' ,version: '2.5'
        }
        testCompile are required for testing purpose during compilation
        compile dependencies are required while compiling
        runtime dependencies are required while executing the project
```

testRuntime are required for testing purpose

Ques4) Create a custom plugin which contains a custom task which prints the current date-time. Using that plugin in your project, execute that task after the jar task executes.
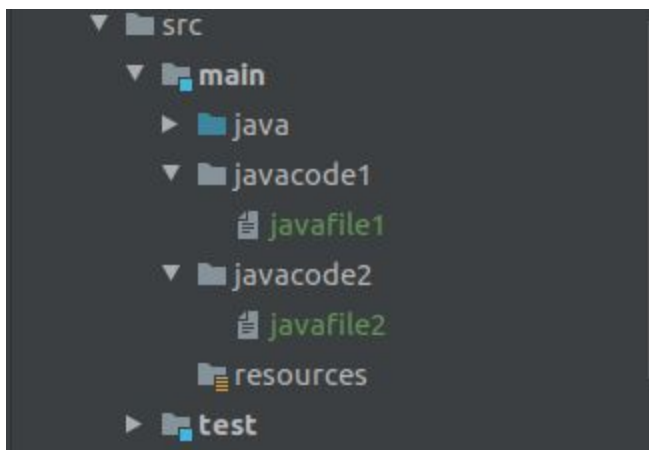
```
ankit@ankit:FirstGradle $ gradle myTask

> Configure project :Ques1
hello

> Task :Ques1:myTask
Mon Mar 02 10:24:33 IST 2020

BUILD SUCCESSFUL in 0s
2 actionable tasks: 2 executed
```
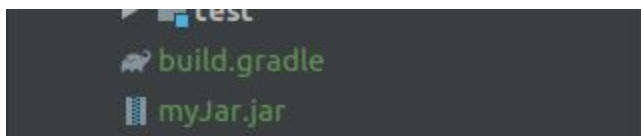
Ques5) Instead of using default source set, use src/main/javaCode1, src/main/javaCode2 to be taken as code source. Make sure that the JAR created contains files from both the directories and not from src/main/java.

jar cf myJar.jar src/main/javacode1/javafile1 src/main/javacode2/javafile2

Ques6) Override the Gradle Wrapper task to install a different version of gradle. Make sure that the task written in Q4 also executes with it.

```
BUILD SUCCESSFUL in 0s
2 actionable tasks: 2 executed
ankit@ankit:FirstGradle $ ./gradlew
Downloading https://services.gradle.org/distributions/gradle-4.2.1-bin.zip
..................................................................
Starting a Gradle Daemon (subsequent builds will be faster)
```

Ques 7) Run the gradle profile command and attach the resulting files.

Profile report

Profiled build: help

Started on: 2020/02/27 - 12:49:30

| Summary | Configuration | Dependency Resolution | Task Execution |

Description	Duration
Total Build Time	0.346s
Startup	0.320s
Settings and BuildSrc	0s
Loading Projects	0.001s
Configuring Projects	0.014s
Task Execution	0.001s

Generated by Gradle 4.10.3 at 27 Feb, 2020 12:49:30 PM