

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

```
repositories {  
    mavenCentral()  
}  
  
//adding dependencies  
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")  
    }  
}
```

```
himanshu@himanshu:~$ java -jar Ques1-1.0-SNAPSHOT.jar  
hello world
```

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.

```

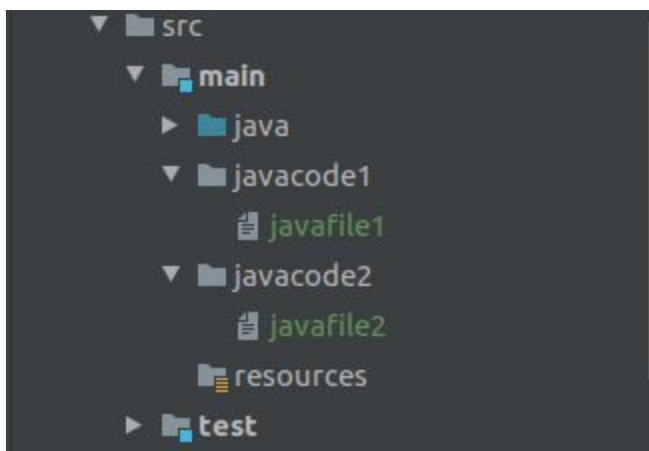
himanshu@himanshu:Ques1 $ gradle myTask

> Configure project :Ques1
hello

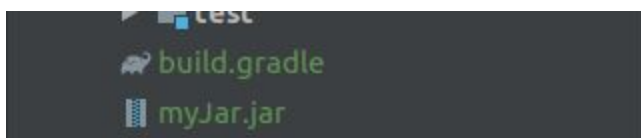
> Task :Ques1:myTask
Wed Feb 26 15:34:08 IST 2020

```

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.

```

himanshu@himanshu:FirstGradle $ ./gradlew
Downloading https://services.gradle.org/distributions/gradle-4.2.1-bin.zip
.....

```

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

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