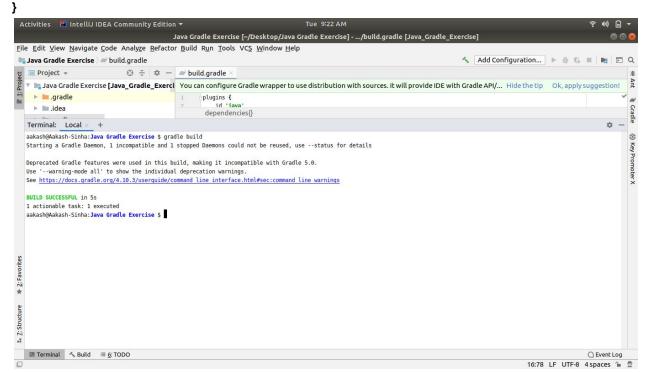
//Ques1: Add a gradle dependency and its related repository url.

```
dependencies {
   testCompile group: 'junit', name: 'junit', version: '4.12'
   compileOnly group: 'com.google.code.gson', name: 'gson', version: '2.8.6'
```



//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"

## Step-1

#Add the manifest in build.gradle

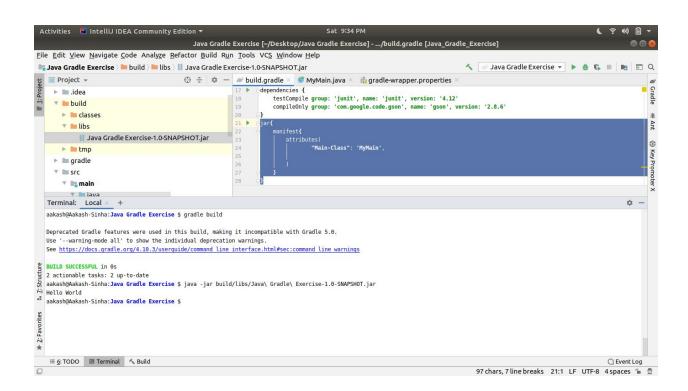
#### Step-2

#Build the gradle using command - gradle build

#### Step-3

#A jar file would be created - Run the file using the command

java -jar build/libs/Java\ Gradle\ Exercise-1.0-SNAPSHOT.jar



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

<u>Compile:</u> The compile scope is the default scope. We can use it when we have no special requirements for declaring a certain dependency.

<u>Runtime:</u> We use the runtime scope for dependencies that are not needed at compile time, like when we're compiling against an API and only need the implementation of that API at runtime.

**testCompile:** We can use the testCompile scope for dependencies that are only needed in tests compile time and that should not be available in production code.

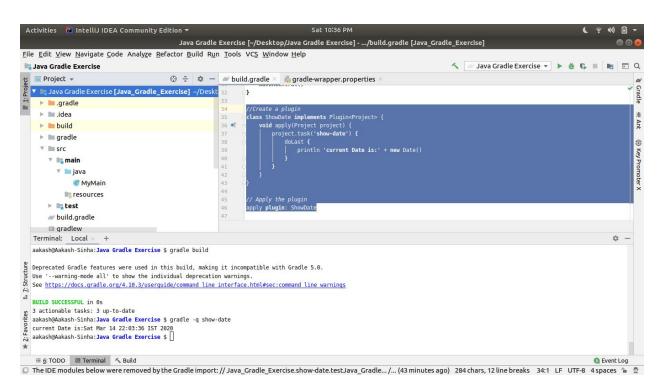
**testRuntime:** We use the runRuntime scope for dependencies that are not needed at compile time, like when we're compiling against an API and only need the implementation of that API at runtime.

//Ques 4: 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.

## #Add the plugin to build.gradle

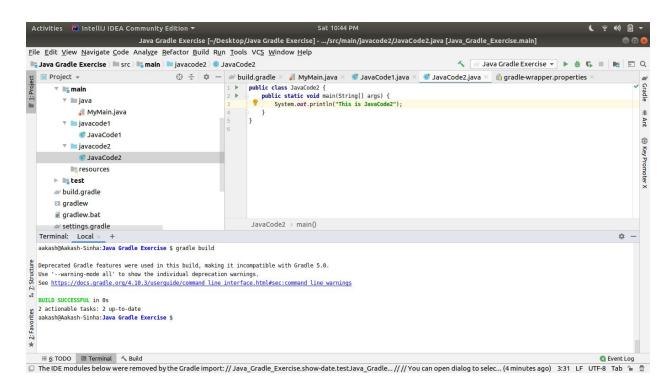
```
class ShowDate implements Plugin<Project> {
   void apply(Project project) {
      project.task('show-date') {
        doLast {
            println 'current Date is:' + new Date()
        }
      }
   }
}
```

# #Apply the plugin apply plugin: ShowDate

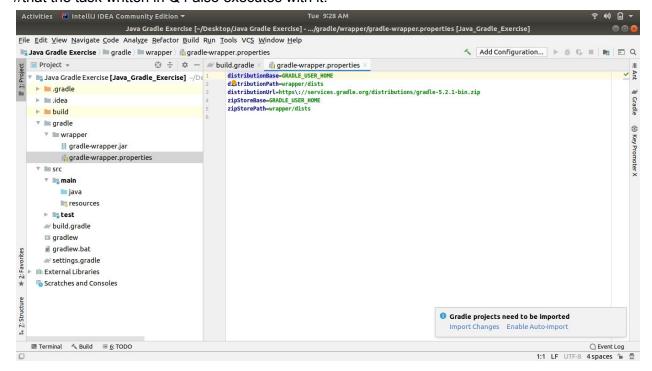


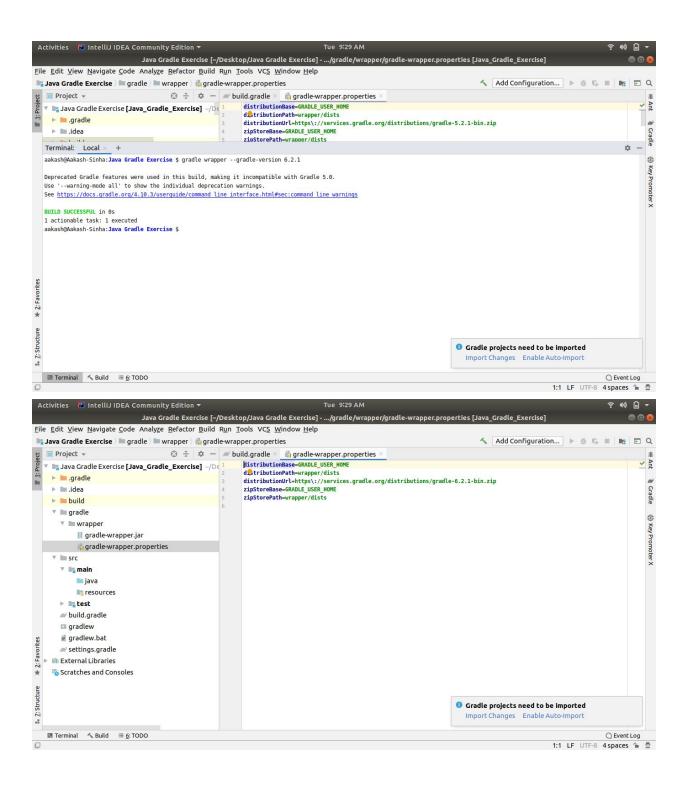
//Ques5: Instead of using default source set, use src/main/javaCode1, src/main/javaCode2 to be //taken as code source. Make sure that the JAR created contains files from both the directories //and not from src/main/java.

```
sourceSets{
main
{
    java.srcDirs= ['src/main/JavaCode1','src/main/JavaCode2']
}
}
```

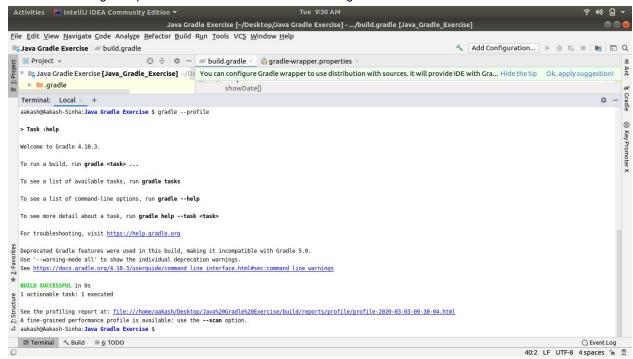


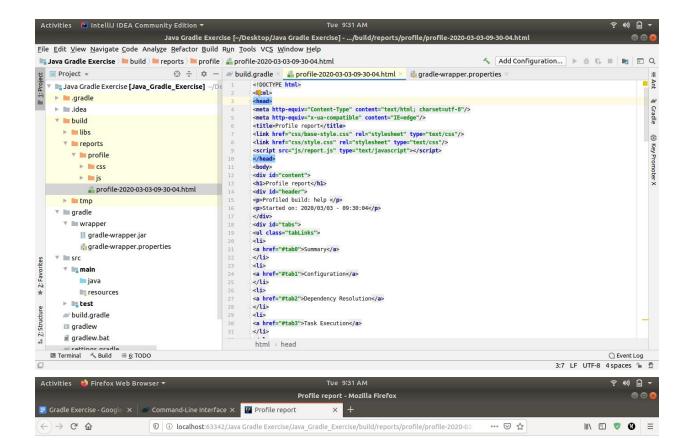
//Ques6: Override the Gradle Wrapper task to install a different version of gradle. Make sure //that the task written in Q4 also executes with it.





#### //Ques7: Run the gradle profile command and attach the resulting files.





## **Profile report**

Profiled build: help

Started on: 2020/03/03 - 09:30:04

Summary	onfiguration	Dependency Resolution	Task Execution
Description	Durati	on	
Total Build Time	0.35	9s	
Startup	0.32	9s	
Settings and BuildSrc	0.00	1s	
Loading Projects		0s	
Configuring Projects	0.01	.2s	
Task Execution	0.00	ls	

Generated by <u>Gradle 4.10.3</u> at 3 Mar, 2020 9:30:04 AM