Gradle intro

**MAKE A GRADLE PROJECT FROM THE CMD**

1.we do a gradle init

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THE above 4 folders will be created at your machine

1.You will have to select the typeof project which we select as application then we select language as java

\*\*DSL(DOMAIN SPECIFIC LANGUAGE)

In gradle we can write our script either in groovy or kotlin

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Test framework

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You can give the project and package name as above

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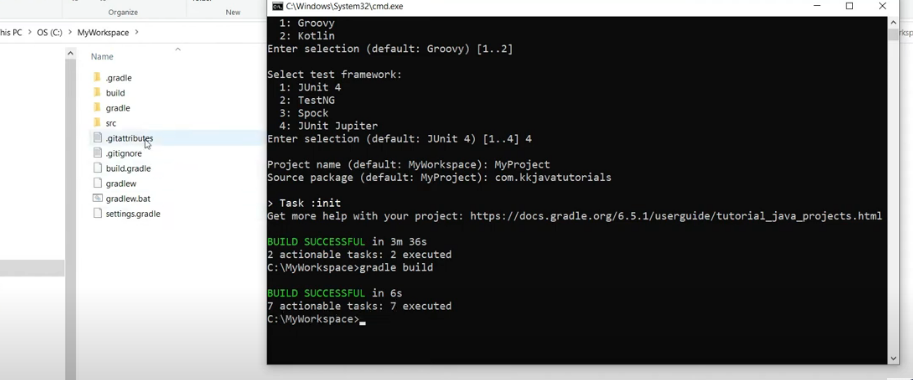
The above project is created.

**Build.gradle** is the build script file where we specify all the build related stuf.

**.gradle** stores all the downloaded dependencies

**BUILDING A GRADLE PROJECT**

We can build a gradle project by simply going into that folder and then running build command



Now go to build forder

You get the jar file

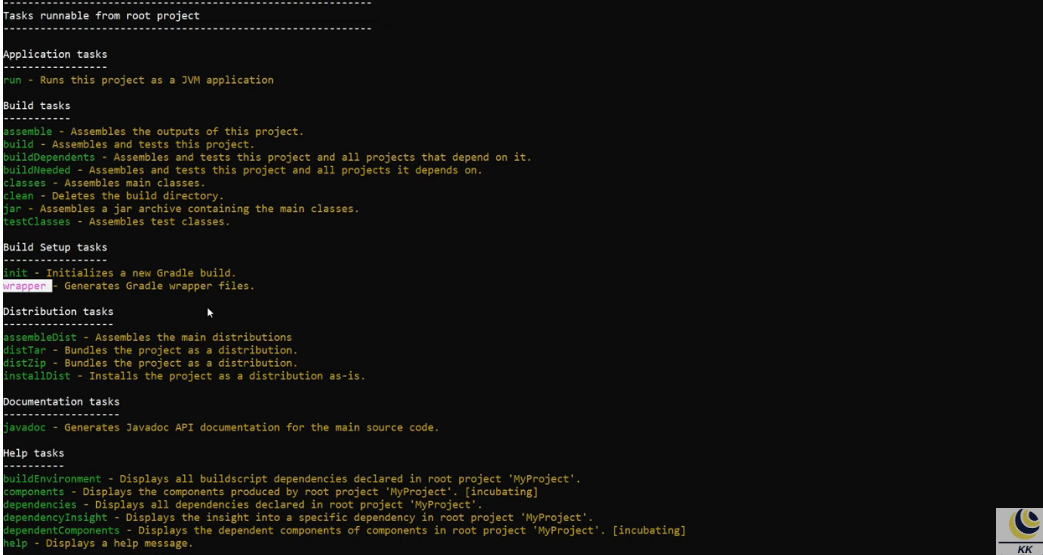
.class files a also present in the build

Two ways of giving a build command

|  |
| --- |
| **Gradle build** |
| **Gradlew.bat build /gradlew.bat clean** |

**RUNNING THE ROJECT**

Gradle run

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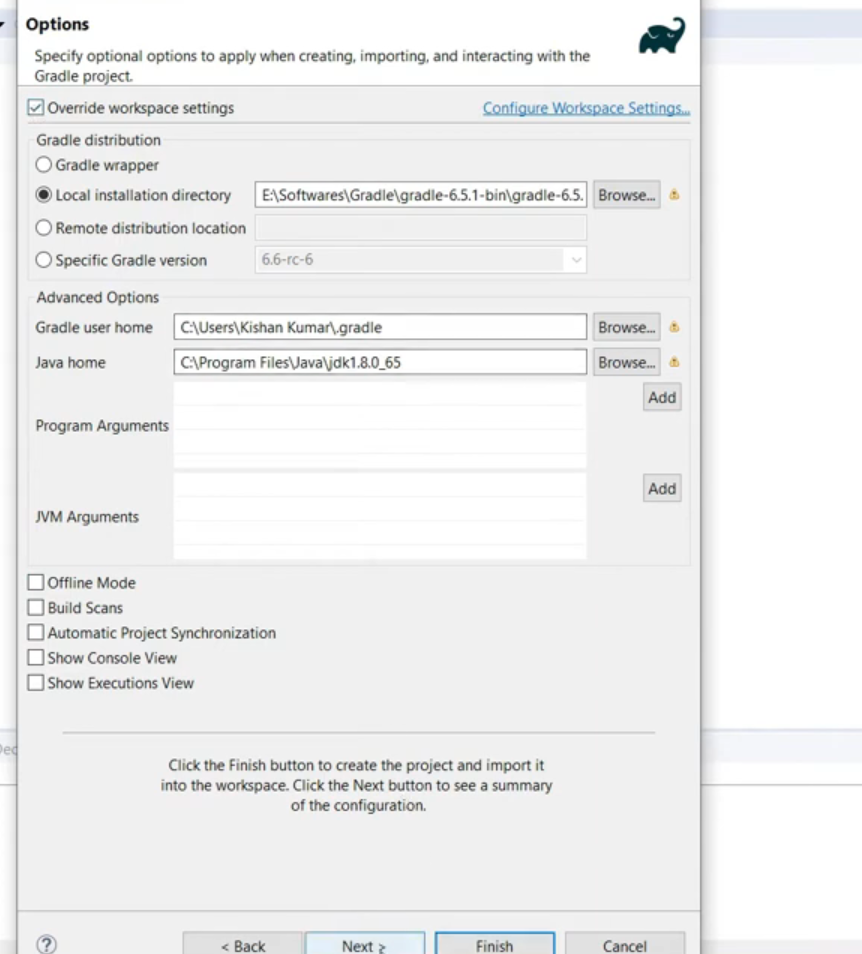
**IMPORT GRADLE PROJECT IN ECLIPSE**

Simply import as gradle project

Then you can install the gradle plugin

And setup the gradle location

**NEW JAVA PROJECT IN ECLIPSE**

**\**

**WHEN WE MAKE A NEW PROJECT WHERE DO WE SPECIFY THE DEPENDENCIES?**we specify in build.gradle file

It is written in groovy language

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Now in order to add some dependency of your choie what you can do is copy from repository

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Add in dependencies section

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After this do gradle ->refresh gradle

**PUBLISHING YOUR GRADLE BUILD TO THE GRADLE HUB**

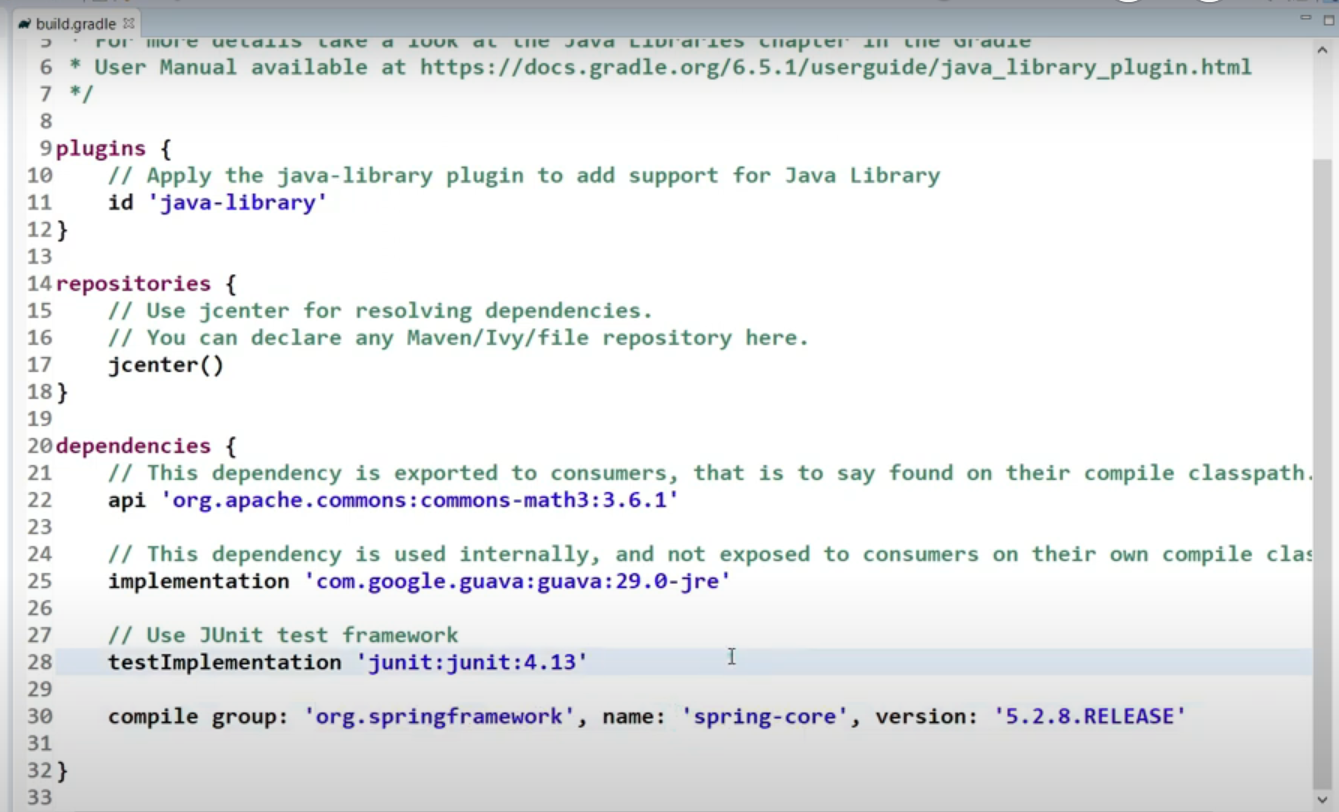
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**GRADLE SCRIPT**

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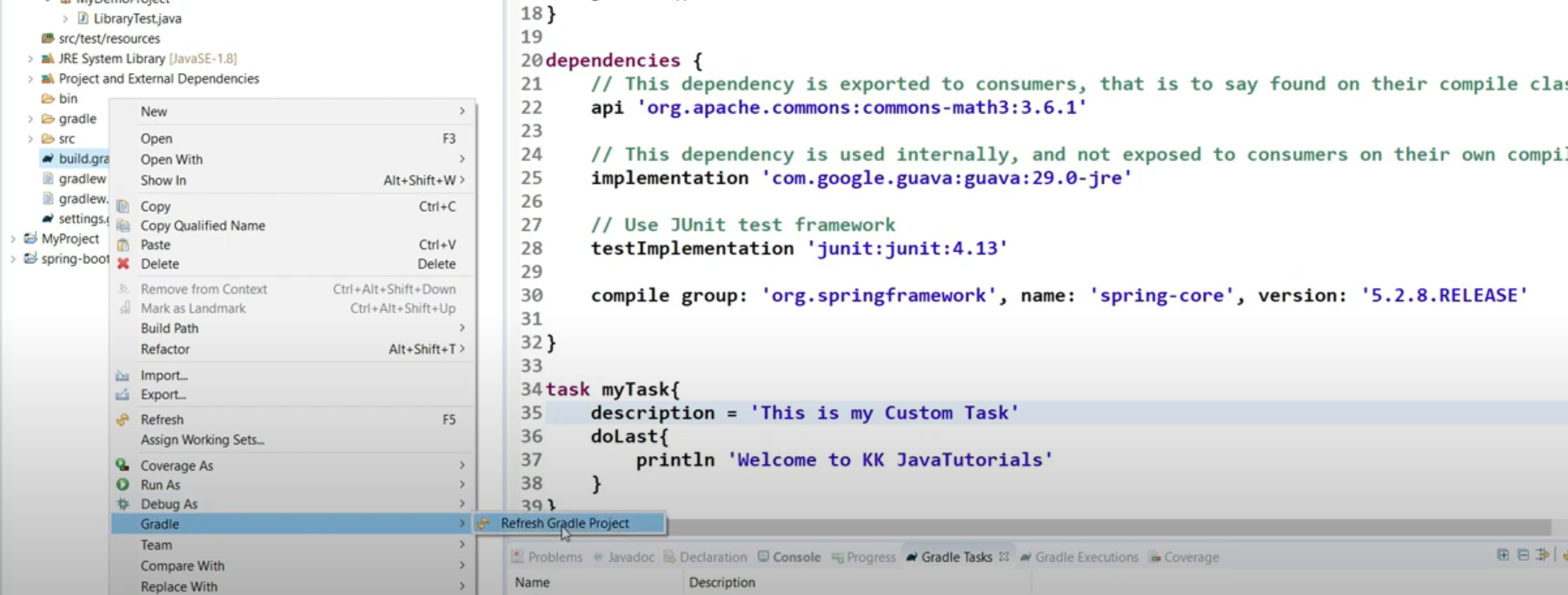
The build.gradle file has the below three sections defined in it



We can see the grdale tasks by going on cmd and typing gradle tasks

**STEPS**

Wite a task do a gradle refresh project and see your task in the cmd



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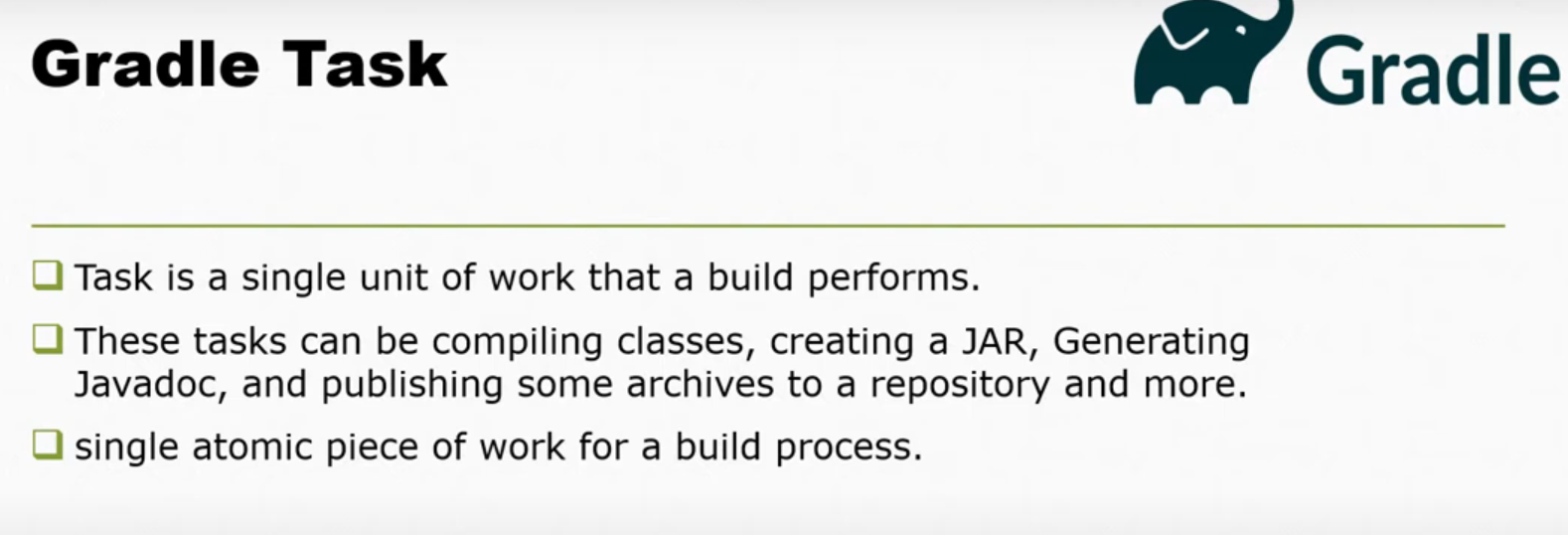
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Running the task

**Gradke -q Mytask**

**GRADLE PROJECTS AND TASKS**

Everything In gradle is eithera project or a task



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