

Step 1 : Create the empty folder on Desktop i.e. complete.
Step 2: Make a sub-directory in that folder `mkdir -p src/main/java/hello`.
Step 3: Create the Java file -> `src/main/java/hello/HelloWorld.java`

```
package hello;

public class HelloWorld {
    public static void main(String[] args) {
        Greeter greeter = new Greeter();
        System.out.println(greeter.sayHello());
    }
}
```

Step 4: Create the another Java file -> `src/main/java/hello/Greeter.java`

```
package hello;

public class Greeter {
    public String sayHello() {
        return "Hello world!";
    }
}
```

Step 5 : gradle -> If you will go you see a welcome message
Step 6 : gradle tasks -> You will tasks in it.
Step 7 : Starting simple, create a very basic build.gradle file in the <project folder> you created at the beginning of this guide. Give it just one line:

- apply plugin: 'java'

Step 8 : gradle build
Memans-MacBook-Pro:complete aamir2292\$ gradle build
:compileJava
:processResources NO-SOURCE
:classes
[:jar
[:assemble
:compileTestJava NO-SOURCE
:processTestResources NO-SOURCE
:testClasses UP-TO-DATE
:test NO-SOURCE
:check UP-TO-DATE
:build

BUILD SUCCESSFUL

Total time: 0.759 secs

Step 9 : Declare Dependencies :

- change the HelloWolrd.java file

```
package hello;

import org.joda.time.LocalTime;

public class HelloWorld {
    public static void main(String[] args) {
        LocalTime currentTime = new LocalTime();
        System.out.println("The current local time is: " + currentTime);

        Greeter greeter = new Greeter();
        System.out.println(greeter.sayHello());
    }
}
```

- Change the build.gradle file

build.gradle

```
apply plugin: 'java'
apply plugin: 'eclipse'
apply plugin: 'application'

mainClassName = 'hello.HelloWorld'

// tag::repositories[]
repositories {
    mavenCentral()
}
// end::repositories[]

// tag::jar[]
jar {
    baseName = 'gs-gradle'
    version = '0.1.0'
}
// end::jar[]

// tag::dependencies[]
sourceCompatibility = 1.8
targetCompatibility = 1.8

dependencies {
    compile "joda-time:joda-time:2.2"
    testCompile "junit:junit:4.12"
}
// end::dependencies[]

// tag::wrapper[]
// end::wrapper[]
```

- gradle wrapper --gradle-version 2.13 -> Add the gradle wrapper
- ./gradlew build ->

Memans-MacBook-Pro:complete aamir2292\$ gradle --daemon build
:compileJava
:processResources NO-SOURCE
:classes
:jar
:startScripts
:distTar
:distZip
:assemble
:compileTestJava NO-SOURCE
:processTestResources NO-SOURCE
:testClasses UP-TO-DATE
:test NO-SOURCE
:check UP-TO-DATE
:build

BUILD SUCCESSFUL

Total time: 0.906 secs

- jar tvf build/libs/gs-gradle-0.1.0.jar -> This shows your Jar file

Memans-MacBook-Pro:complete aamir2292\$ jar tvf build/libs/gs-gradle-0.1.0.jar
0 Tue May 30 02:09:42 PDT 2017 META-INF/
25 Tue May 30 01:31:18 PDT 2017 META-INF/MANIFEST.MF
0 Tue May 30 02:09:42 PDT 2017 hello/
369 Tue May 30 02:09:42 PDT 2017 hello/Greeter.class
988 Tue May 30 02:09:42 PDT 2017 hello/HelloWorld.class

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