

## Gradle

Gradle is a Groovy-based build automation tool

```
task hello {  
    doLast {  
        println 'tutorialspoint'  
    }  
}  
task hello << {  
    println 'tutorialspoint'  
}
```

### ————Adding Dependencies to Tasks

```
task taskX << {  
    println 'taskX'  
}  
task taskY(dependsOn: 'taskX') << {  
    println "taskY"  
}
```

### ————Declaring Your Dependencies

```
apply plugin: 'java'
```

```
repositories {  
    mavenCentral()  
}
```

```
dependencies {  
    compile group: 'org.hibernate', name: 'hibernate-core', version: '3.6.7.Final'  
    testCompile group: 'junit', name: 'junit', version: '4.+'  
}
```

### ————Dependency Configurations

Dependency configuration is nothing but defines a set of dependencies. You can use this feature to declare external dependencies, which you want to download from the web. This defines the following different standard configurations.

- **Compile** – The dependencies required to compile the production source of the project.

- **Runtime** – The dependencies required by the production classes at runtime. By default, also includes the compile time dependencies.
- **Test Compile** – The dependencies required to compile the test source of the project. By default, it includes compiled production classes and the compile time dependencies.
- **Test Runtime** – The dependencies required to run the tests. By default, it includes runtime and test compile dependencies.