Maven SCM plugin Configuration

In this course we will be using git and github.
Most imp. Configuration of scm used by release plugin will be developer connection because that will be used to push to GitHub.

We will also be pushing our code to package cloud using release plugin.

Configure the plugin:

```
<plugin>
   <groupId>org.apache.maven.plugins</groupId>
   <artifactId>maven-release-plugin</artifactId>
   <version>3.0.1</version>
</plugin>
```

Setting up source control management system.

```
<scm>
   <developerConnection>scm:git:https://github.com/pkumargrid/mb2g-release-plugin.git</developerConnection>
   <url>https://github.com/pkumargrid/mb2g-release-plugin.git</url>
</scm>
```

Setup the project.scm.id: it is the server id which we gonna configure in setting.xml

```
<project.scm.id>github</project.scm.id>
```

Now we gonna setup the server to authenticate ourselves on GitHub.

Release plugin will be using scm plugin to publish attracts to source code repository.

Mvn clean release:perform -> check the tag, build it and actually perform the release. It will also deploy to package cloud.

It is pushed to release remote repo only.

If you wanna rollback the release
Mvn release:rollback.
It will roll back using the temporary files information.
It will also remove temporary files after that.
But GitHub does not remove that tag.

You can remove the temp files using clean goal of release.

If you get error that cannot prepare pom has local modifications then commit the change of pom and then do it.
We can also have no snapshot dependencies, it will tell to resolve it.

We can also dry run what is going to happen if we perform release. It will also generate pom.xml.tag and pom.xml.next of what will happen.

```
Mvn release:prepare -DdryRun=true
```