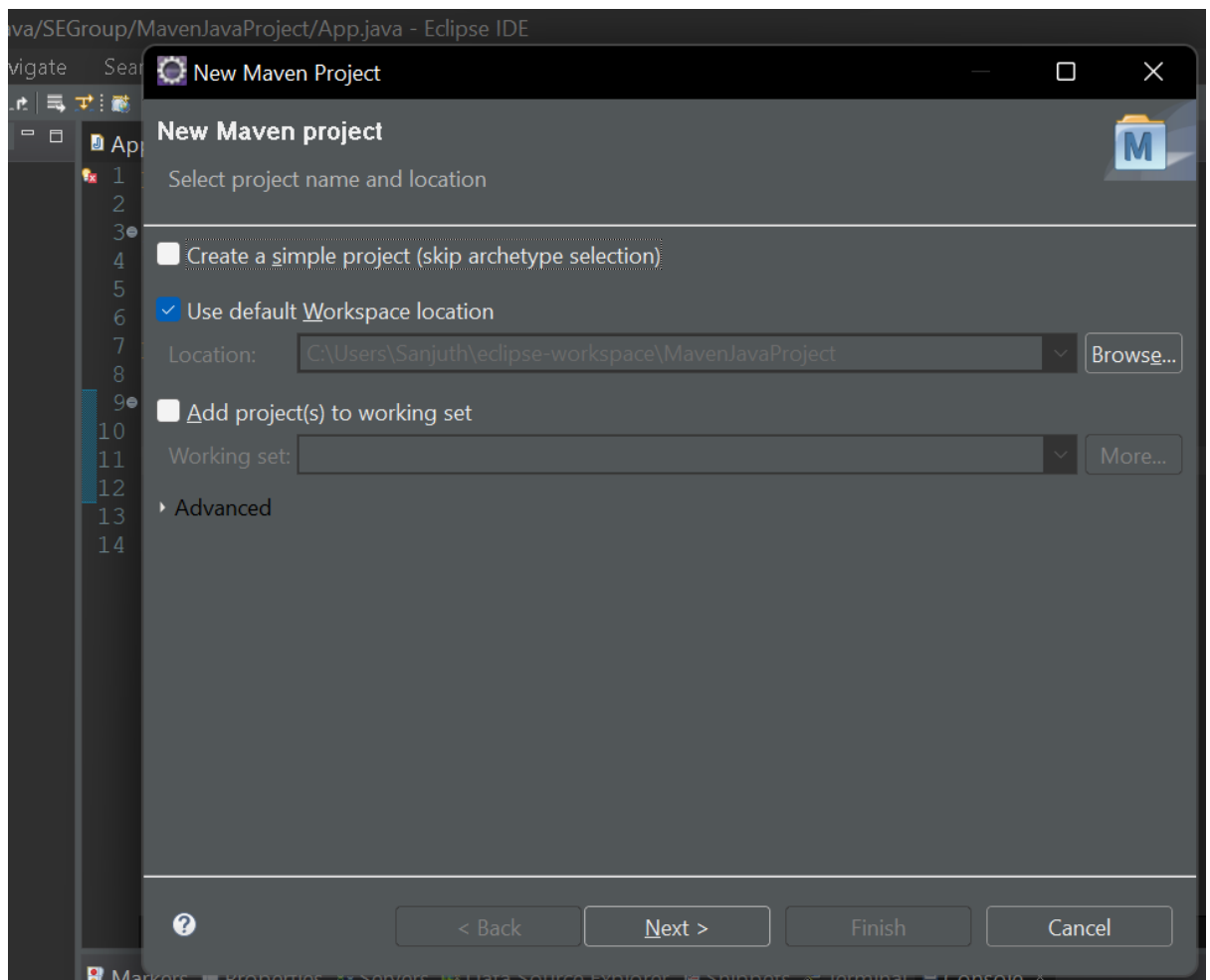


MAVEN JAVA PROJECT IN ECLIPSE

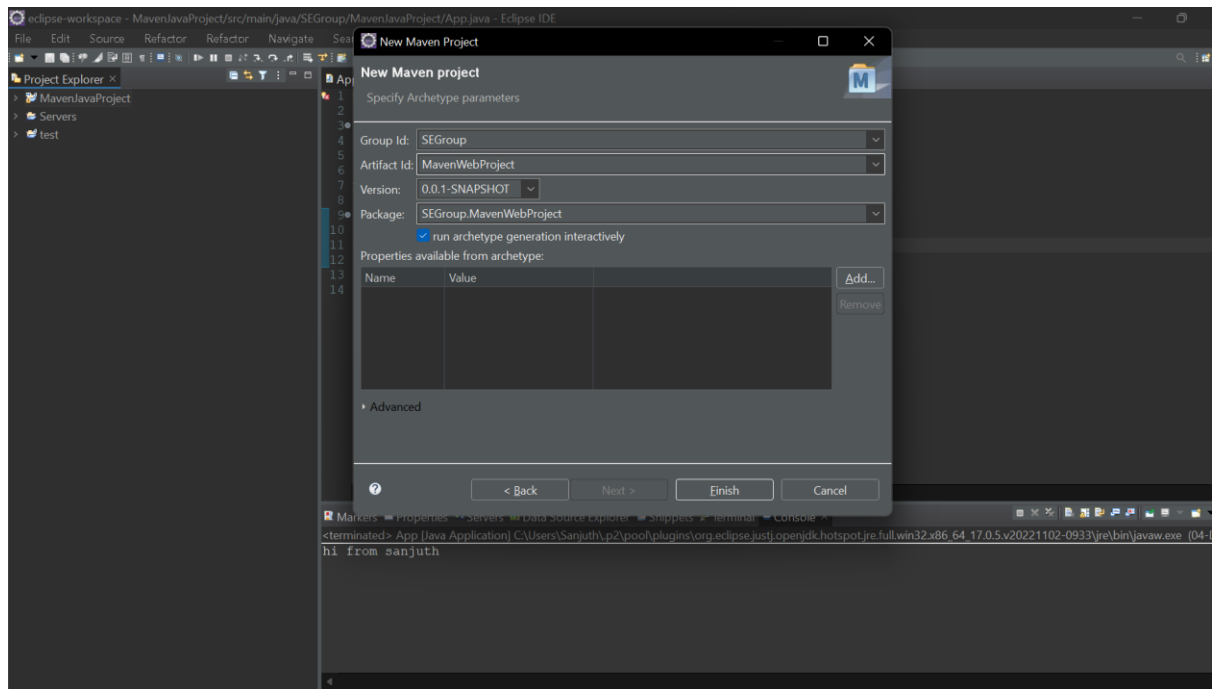
Experiment 1: Create a Maven java project in Eclipse

Open eclipse and follow the following steps

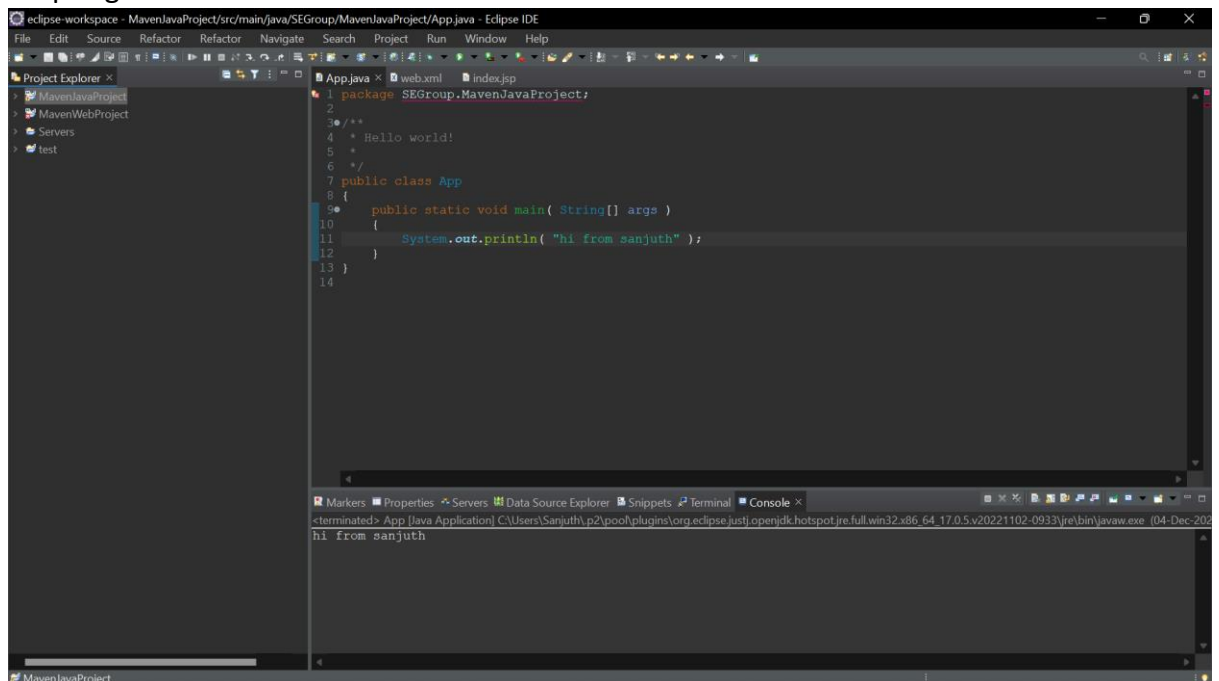
1. Go to File, click on NEW and then on tab others in pop down menu
2. In the select wizard, select **Maven Project** and **press Next**.
3. **Note internet is present**, and in Use default Workspace location **path is present** and with a clicked check box. Then **press Next**.



4. **At Filter:** type org.apache.maven, to **get org.apache.maven.archetype maven archetype- quickstart 1.4** in below list. **Select it and press Next**.
5. **Enter** any name at **Group Id, Artifact Id** but must be different for all projects. Then **press Finish**.
Note: given here **Group Id = SEGroup** and **Artifact Id = MavenJavaProject**

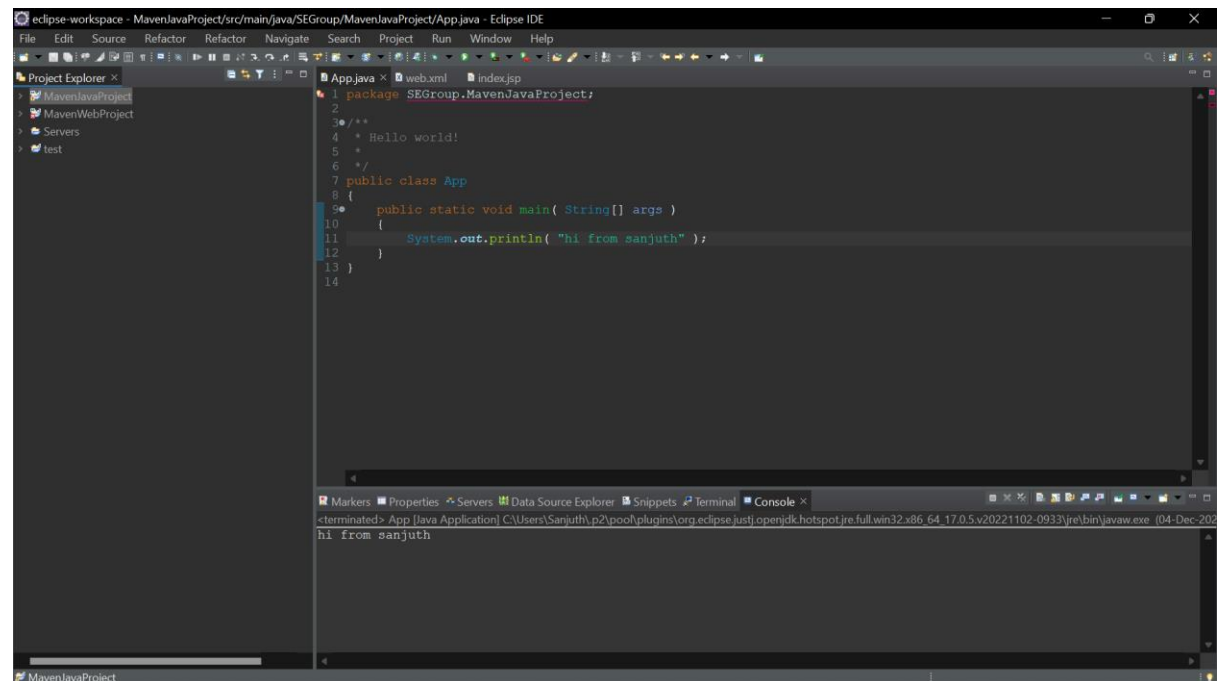


6. See in **Project Explorer**, project with the same Artifact Id created (**eg MavenJavaProject**). Content of App.java with This is the first Maven Java Project in Eclipse given.



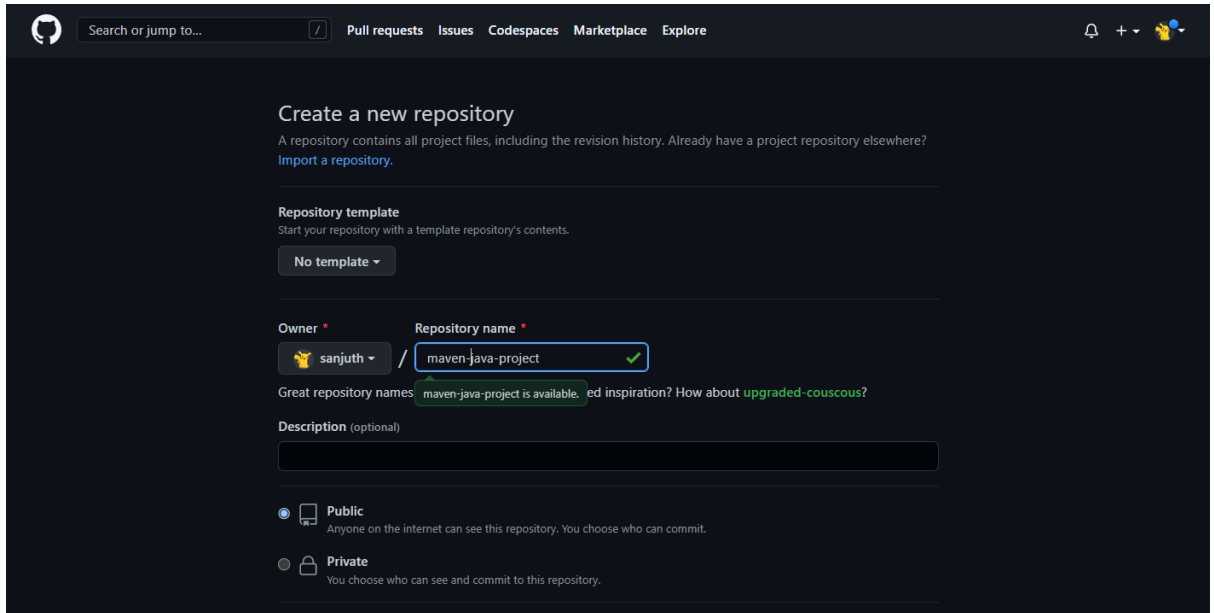
7. **MavenJavaProject**
8. Now **right-click on it** then on **Run As**, and then click/Press on **Maven Clean**.
9. Maven clean used to clear previous output
Now it should show BUILD SUCCESS, which means correct.

10. **Again right-click on Maven Java Project then on Run As, and then click/Press on Maven Install.**
11. Maven Install used to add Artifacts
Now it should show BUILD SUCCESS, which means correct.
12. **Again right-click on Maven Java Project, then on Run As, and then click/Press on Maven Test.**
13. Maven Test used to the code
Now it should show BUILD SUCCESS, which means correct.
14. **Again right-click on Maven Java Project, then on Run As, and then click/Press on Maven BUILD.**
15. Next it shows the Edit Configuration window as below.
Set Goals to clean install test or package. Then press on Apply, and then on Run.
16. Maven Java project built successfully.
17. select Run AS then on Java Application.
18. select App- SEGroup.MavenJavaProject on click on OK.
19. The output “This is the first Java Project in Eclipse” is displayed.



Experiment 2: Push Maven java project to github directory

1. Go to Github, and create an empty repository to get the Maven Java Project. Give Repository name = MavenJavaProject, select Public, tick on Add README , select gitignore template maven to ignore unwanted target files in maven project while committing.



2. Press on create repository.
3. Go to Eclipse, right-click on Maven Java Project, Properties, Resources to get path.
4. copy the path of eclipse workspace.
5. Go to Git bash, and change the directory to eclipse workspace, and then to Maven Java Project. Next it must show pom.xml.
6. git init and git add to initialize and add to local repository.
7. Git commit in local repository.
8. Go to Git Hub and get remote repository path.
9. get remote repository and push.

```

C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.22000.1219]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Sanjuth\eclipse-workspace\MavenJavaProject>git init
Initialized empty Git repository in C:/Users/Sanjuth/eclipse-workspace/MavenJavaProject/.git/

C:\Users\Sanjuth\eclipse-workspace\MavenJavaProject>git add .

C:\Users\Sanjuth\eclipse-workspace\MavenJavaProject>git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   .classpath
    new file:   .project
    new file:   .settings/org.eclipse.core.resources.prefs
    new file:   .settings/org.eclipse.jdt.core.prefs
    new file:   .settings/org.eclipse.m2e.core.prefs
    new file:   pom.xml
    new file:   src/main/java/SEGroup/MavenJavaProject/App.java
    new file:   src/test/java/SEGroup/MavenJavaProject/AppTest.java
    new file:   target/classes/META-INF/MANIFEST.MF
    new file:   target/classes/META-INF/maven/SEGroup/MavenJavaProject/pom.properties
    new file:   target/classes/META-INF/maven/SEGroup/MavenJavaProject/pom.xml
    new file:   target/classes/SEGroup/MavenJavaProject/App.class
    new file:   target/test-classes/SEGroup/MavenJavaProject/AppTest.class

```

```

C:\Windows\System32\cmd.exe

C:\Users\Sanjuth\eclipse-workspace\MavenJavaProject>git commit -m "first commit"
[master (root-commit) 7ad4798] first commit
13 files changed, 261 insertions(+)
 create mode 100644 .classpath
 create mode 100644 .project
 create mode 100644 .settings/org.eclipse.core.resources.prefs
 create mode 100644 .settings/org.eclipse.jdt.core.prefs
 create mode 100644 .settings/org.eclipse.m2e.core.prefs
 create mode 100644 pom.xml
 create mode 100644 src/main/java/SEGroup/MavenJavaProject/App.java
 create mode 100644 src/test/java/SEGroup/MavenJavaProject/AppTest.java
 create mode 100644 target/classes/META-INF/MANIFEST.MF
 create mode 100644 target/classes/META-INF/maven/SEGroup/MavenJavaProject/pom.properties
 create mode 100644 target/classes/META-INF/maven/SEGroup/MavenJavaProject/pom.xml
 create mode 100644 target/classes/SEGroup/MavenJavaProject/App.class
 create mode 100644 target/test-classes/SEGroup/MavenJavaProject/AppTest.class

C:\Users\Sanjuth\eclipse-workspace\MavenJavaProject>git remote add origin https://github.com/sanjuth/maven-java-project.git


C:\Users\Sanjuth\eclipse-workspace\MavenJavaProject>git branch -M main

C:\Users\Sanjuth\eclipse-workspace\MavenJavaProject>git push -u origin main
Enumerating objects: 35, done.
Counting objects: 100% (35/35), done.
Delta compression using up to 8 threads
Compressing objects: 100% (20/20), done.
Writing objects: 100% (35/35), 4.45 KiB | 1.11 MiB/s, done.
Total 35 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/sanjuth/maven-java-project.git
 * [new branch]      main -> main
Branch 'main' set up to track remote branch 'main' from 'origin'.

C:\Users\Sanjuth\eclipse-workspace\MavenJavaProject>




```

10. Go to git Hub after pushing from git bash. Now refresh the git hub we see all the files are reflected here.







Search or jump to...

[Pull requests](#) [Issues](#) [Codespaces](#) [Marketplace](#) [Explore](#)


sanjuth / maven-java-project Public

  1  0  0

[Code](#) [Issues](#) [Pull requests](#) [Actions](#) [Projects](#) [Wiki](#) [Security](#) [Insights](#) [Settings](#)

main 1 branch 0 tags

[Go to file](#) [Add file](#) [Code](#)

 sanjuth first commit 7ad4798 2 minutes ago 1 commit


└─ .settings	first commit	2 minutes ago
└─ src	first commit	2 minutes ago
└─ target	first commit	2 minutes ago
└─ .classpath	first commit	2 minutes ago
└─ .project	first commit	2 minutes ago
└─ pom.xml	first commit	2 minutes ago


Help people interested in this repository understand your project by adding a README.


[Add a README](#)

About

No description, website, or topics provided.

 0 stars

 1 watching

 0 forks

Releases

No releases published

[Create a new release](#)

Packages

No packages published

[Publish your first package](#)

Languages

Java 100.0%