1. Create a Maven Project with the name – HelloWorldProject.

   Perform the below steps on the project:
   a. Create a class 'HelloWorldClass' containing Main method in this project. Print a statement 'Hello World' in the main method.
   b. Add JAR plugin in POM.xml file as given below.

```
<plugin>
        <groupId>org.apache.maven.plugins</groupId>
        <artifactId>maven-jar-plugin</artifactId>
        <configuration>
                <archive>
                        <manifest>
                                <mainClass>com.maventest.App</mainClass>
                        </manifest>
                </archive>
        </configuration>
</plugin>
```

   Path of the MainClass in the project

   c. Create the JAR file from command prompt.
   d. Run the application and document the output.

2. Install the project at the local 'm2' repository using **mvn install** command.

3. Using the same project, practice check-in, check-out commands of SVN.
   a. Make some changes in the code and use **SVN-commit** command to commit the changes.
   b. Go back to the previous version of the same code.
   c. Take checkout of the project on another path and make some changes from that location. Commit the changes and update the code at the previous project location using **svn commit.**

   Note: Document all the steps in a readMe.txt file.

4. Research about static code analysis
   a. What is static code analysis and why it is needed.
   b. What all kind of code analysis can be done
   c. Different tools available for Static Cod analysis.