# CI-CD ASSIGNMENT 2


## SUBMITTED BY:

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**Writing the Source Code**

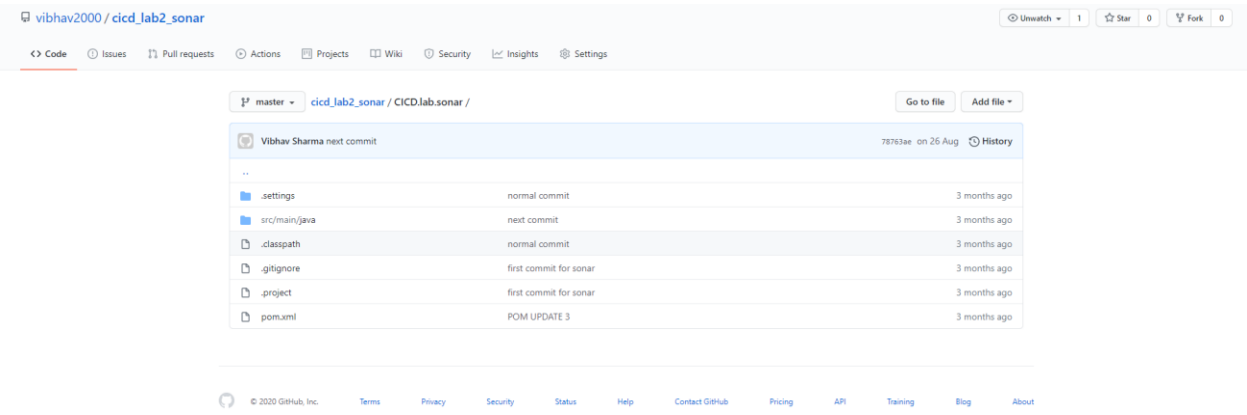
Myclass.java | Mytestclass.java

```
1  public class Myclass {
2
3      public static int findMax(int arr[]) {
4          int max=arr[0];
5          for(int i=1;i<arr.length;i++) {
6              if(max<arr[i])
7                  max=arr[i];
8          }
9          // TODO Auto-generated method stub
10         return max;
11     }
12     public static void main(String[] args)
13     {
14
15         System.out.println(Myclass.findMax(new int[] {1,2,3,4}));
16
17
18     }
19
20 }
21
```

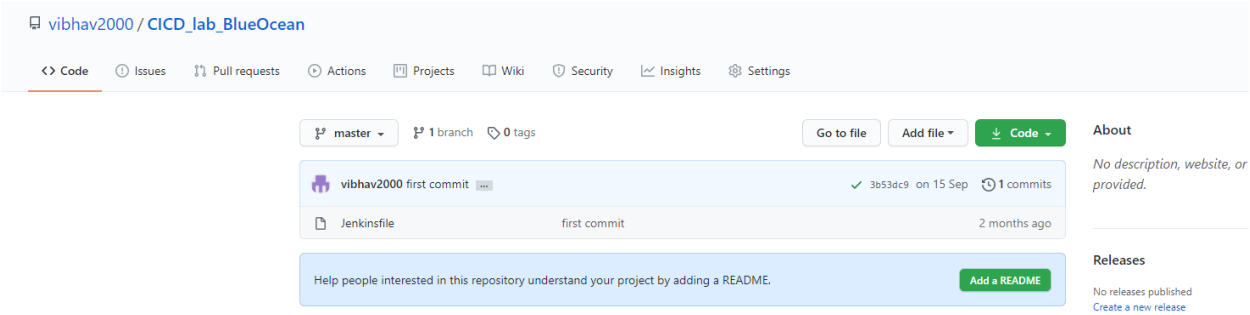
Myclass.java  Mytestclass.java  CICD-Pipeline/pom.xml

```
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XML
  <modelVersion>4.0.0</modelVersion>
  <groupId>CICD</groupId>
  <artifactId>CICD-Pipeline</artifactId>
  <version>0.0.1-SNAPSHOT</version>

  <properties>
  <maven.compiler.source>1.6</maven.compiler.source>
    <maven.compiler.target>1.6</maven.compiler.target>
  </properties>

  <build>
  <plugins>
            <plugin>
                <artifactId>maven-compiler-plugin</artifactId>
                <version>3.1</version>
                <configuration>
                    <source>1.7</source>
                    <target>1.7</target>
                    <fork>true</fork>
                    <executable>C:\Program Files\Java\jdk-11.0.8\bin\javac</executable>
                </configuration>
            </plugin>
        </plugins>
  </build>

  <dependencies>
  <dependency>
    <groupId>junit</groupId>
    <artifactId>junit</artifactId>
    <version>4.13.1</version>
    <scope>test</scope>
</dependency>
 </dependencies>

</project>
```

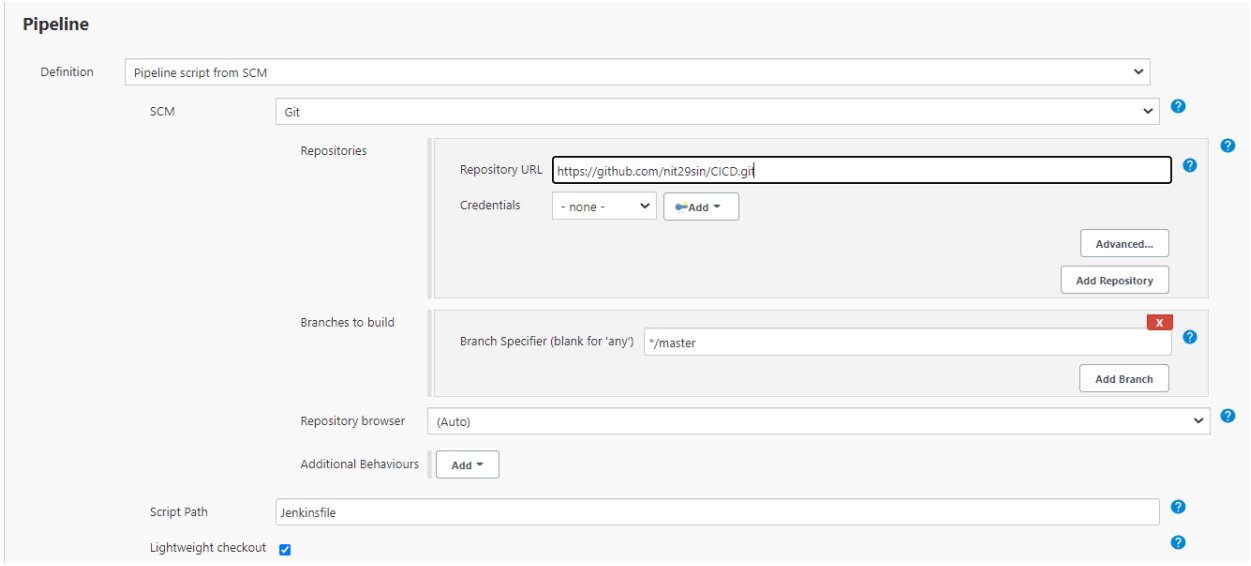
## Importing the Maven Project to a Github Repository

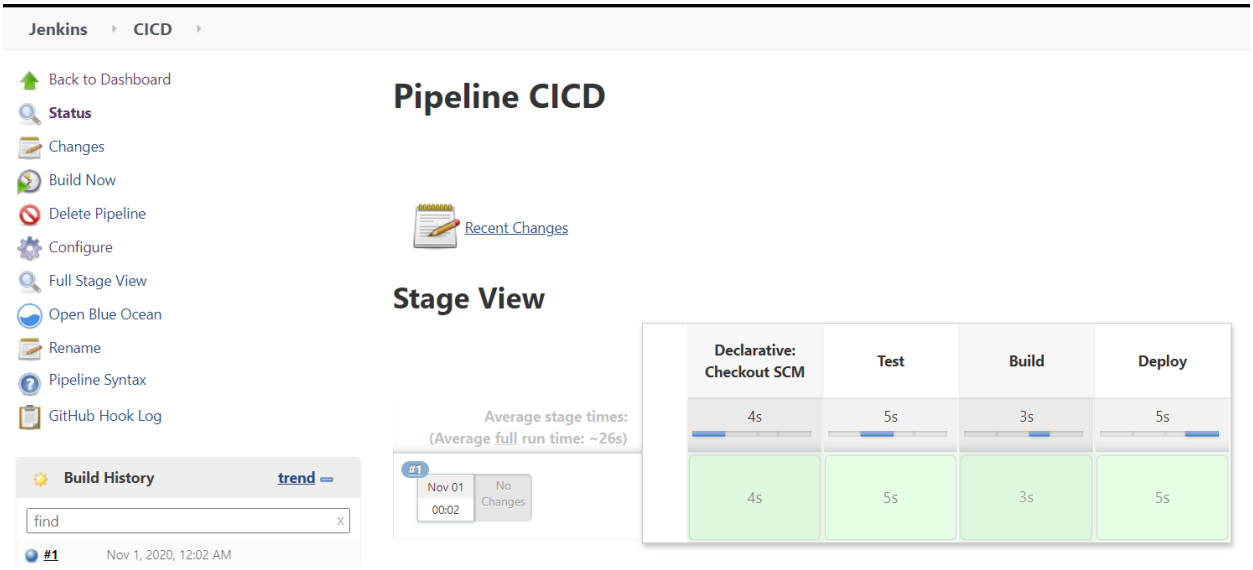



## Jenkinsfile



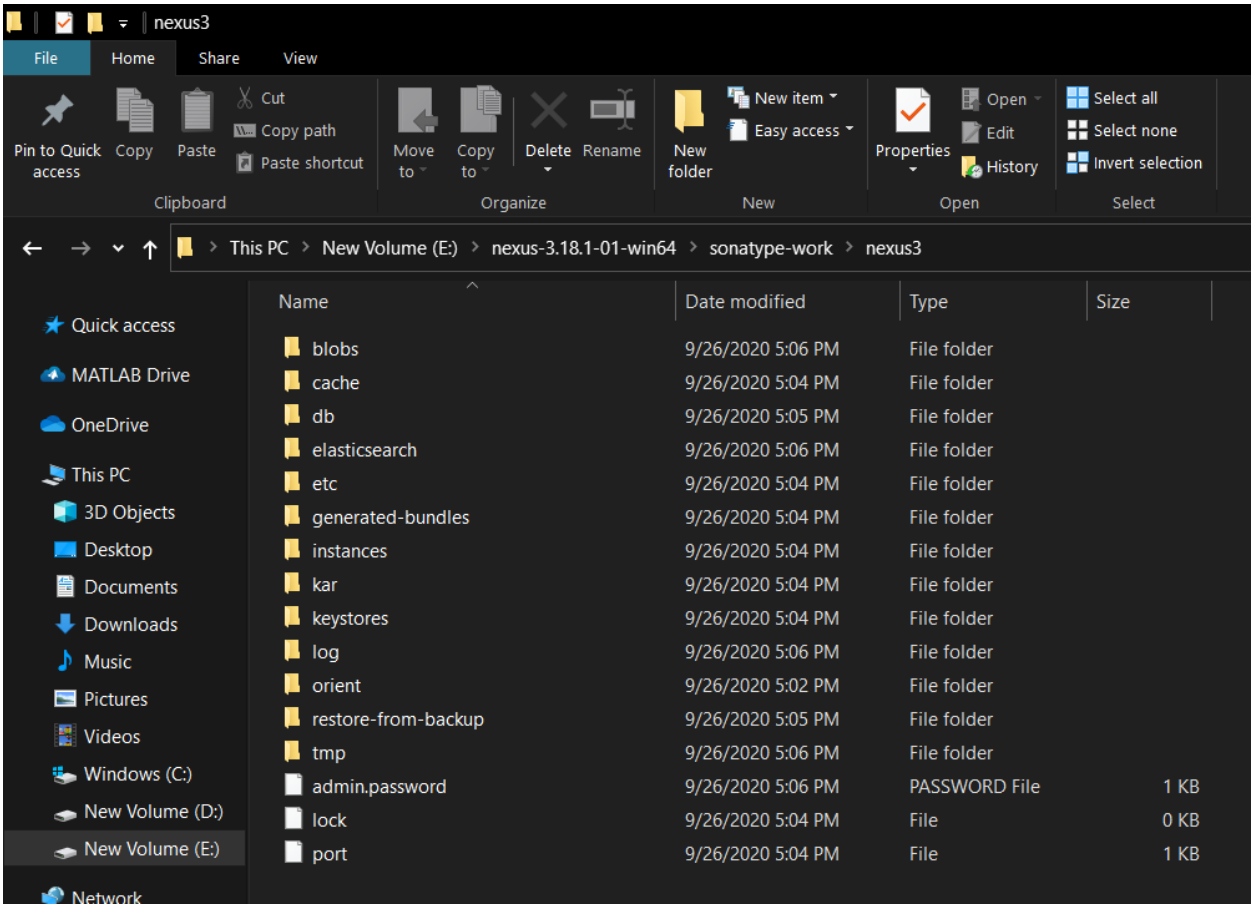
## Creating a Pipeline project in Jenkins

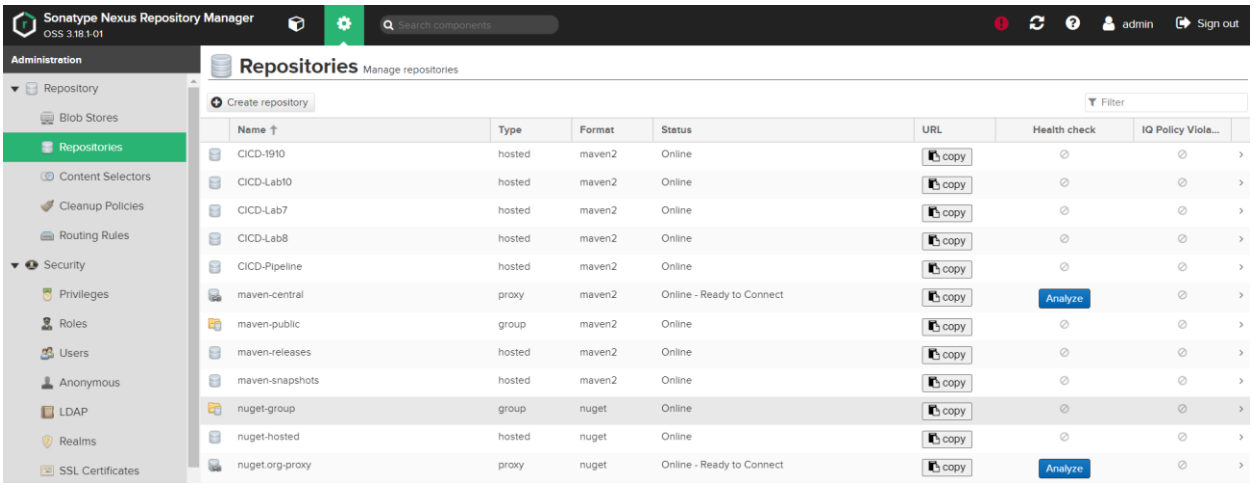


## Nexus

```
D:\OLD lap\study\3rd year\CICD\nexus-3.18.1-01-win64\nexus-3.18.1-01>cd bin

D:\OLD lap\study\3rd year\CICD\nexus-3.18.1-01-win64\nexus-3.18.1-01\bin>nexus.exe /run
```



**Name:** A unique identifier for this repository

CICD-Pipeline

**Online:** If checked, the repository accepts incoming requests

## Maven 2

**Version policy:**

What type of artifacts does this repository store?

Snapshot

**Layout policy:**

Validate that all paths are maven artifact or metadata paths

Strict

## Storage

**Blob store:**

Blob store used to store asset contents

default

**Strict Content Type Validation:**

Validate that all content uploaded to this repository is of a MIME type appropriate fo

## Hosted

**Deployment policy:**

Controls if deployments of and updates to artifacts are allowed

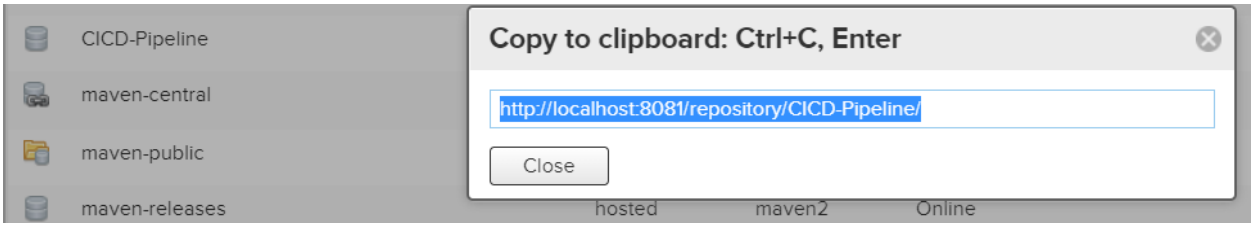
Allow redeploy

## Cleanup Policy

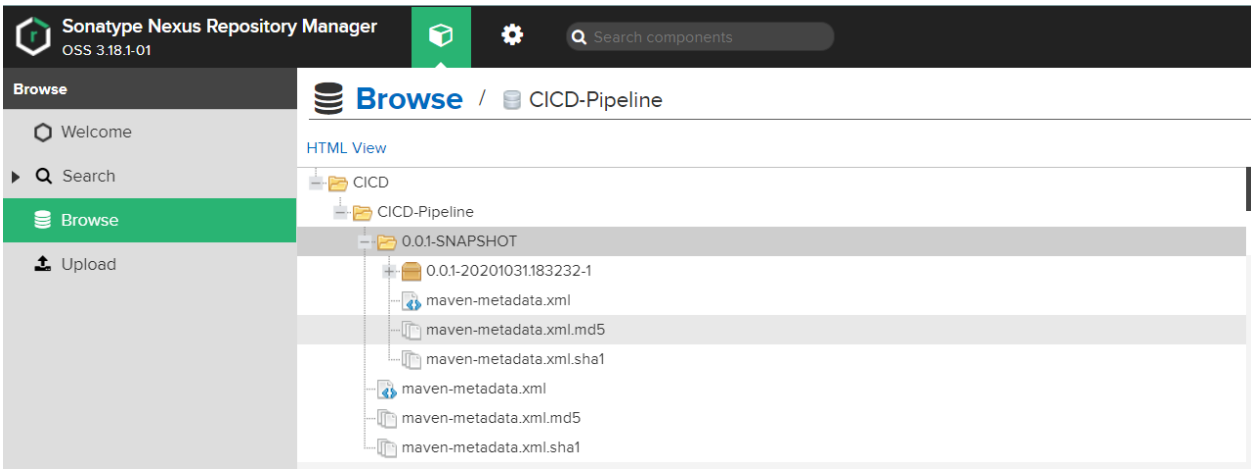
**Available cleanup policies:**

Select a cleanup policy

None



```
 <distributionManagement>
<snapshotRepository>
  <id>CICD-Pipeline</id>
  <name>CICD-Pipeline</name>
  <url>http://localhost:8081/repository/CICD-Pipeline/</url>
  </snapshotRepository>
  </distributionManagement>

</project>
```

settings.xml

```
    <server>
      <id>siteServer</id>
      <privateKey>/path/to/private/key</
      <passphrase>optional; leave empty
    </server>
    -->


    <server>
      <id>CICD-Pipeline</id>
      <username>admin</username>
      <password>admin123</password>
    </server>


</servers>
```