# EXPERIMENT - 3 and 4

Name: - Pranay Mayal

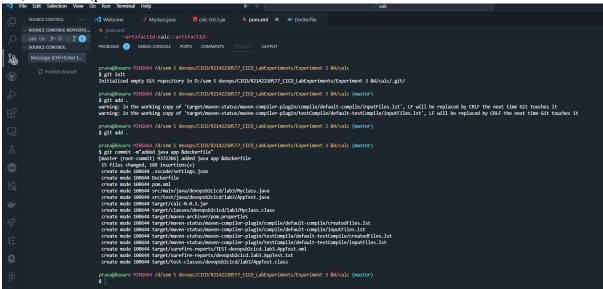
Batch – 2 [DevOps Non-Hons]

SAP ID- 500094093

Subject – Continuous Integration and Continuous Delivery Lab

### Aim: Maven Build using GitHub Actions

1] Push our file on git repo name as CICD-lab3 which contain class file,dockerfile,pom.xml file and so on.



#### Docker file

```
Welcome

J Myclass,java

calc-0.0.1.jar

pom.xml

Dockerfile > ...

FROM openjdk:11.0

COPY target\calc-0.0.1.jar calc-0.0.1.jar

COPY target\calc-0.0.1.jar
```

MyClass.java file

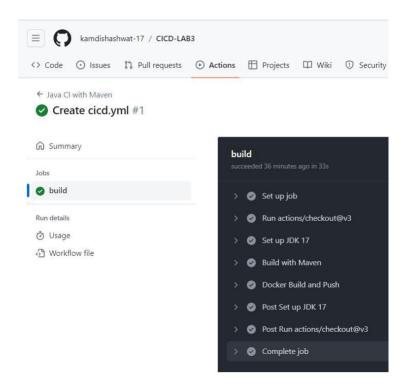
#### Pom.xml file

```
<artifactId>calc</artifactId>
<version>0.0.1</version>
<name>calc</name>
<url>http://www.example.com</url>
cproperties>
 project.build.sourceEncoding>UTF-8/project.build.sourceEncoding>
 <maven.compiler.source>1.8</maven.compiler.source>
  <maven.compiler.target>1.8/maven.compiler.target>
</properties>
<dependencies>
 <dependency>
    <groupId>junit
    <artifactId>junit</artifactId>
    <version>4.11</version>
    <scope>test</scope>
 </dependency>
</dependencies>
```

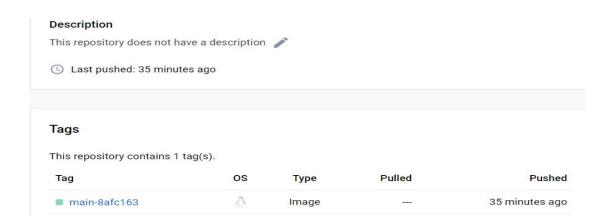
2] Create a GitHub Actions Workflow name as cicd.yml and click on commit and push changes.



3] Check the Workflow Status in that you will notices that our build has been completed and build images has been visible in our docker hub.



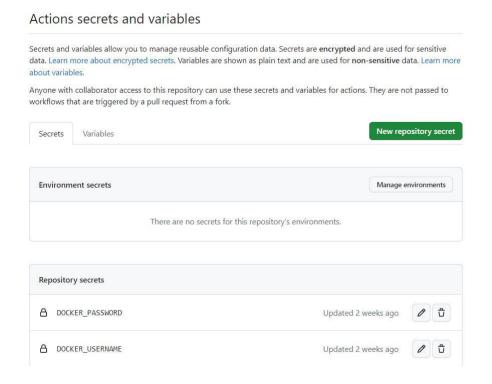
### 4] Build image in docker hub



## **EXPERIMENT – 4**

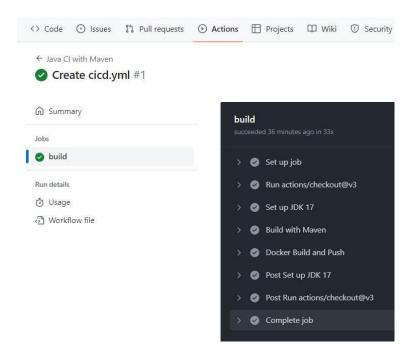
### Aim: - Docker build and push using Github actions.

## 5] Add Docker Hub Credentials to GitHub Secrets



6] Commit and Push Changes

7] Check the Workflow Status in that you will notices that our build has been completed and build images has been visible in our docker hub.



4] Build image in docker hub and docker command in a public view.

