## **School of Computer Science**

# UNIVERSITY OF PETROLEUM AND ENERGY STUDIES DEHRADUN, UTTARAKHAND

Continuous Integration and Continuous Delivery Lab

Lab File (2023-2024 )

for

5th Semester

Submitted To:

Submitted By:

Dr. Hitesh K.Sharma

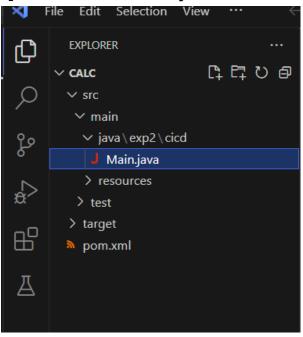
Gopika Jhanwar

B. Tech. CSE
[DevOps] 500093662
R2142210318
B2- Devops (Non-Hons)

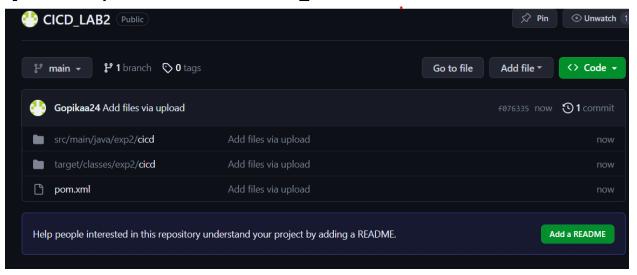
#### **LAB EXERCISE - 2**

### Aim: Creating a Jenkins Pipeline with a Jenkins file.

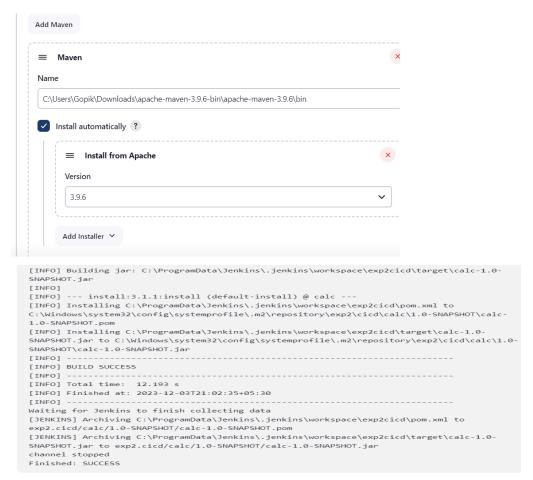
1] Create a Maven Project in vscode



#### 2] Make a repo name as "CICD-Lab2\_Jenkinsfile" and add the files



# 3] Add Maven integration and Git plugin in Jenkins , configure repo and make a build



4] edit the code ,add mul funcion and add poll scm in jenkins configuration then again commit and push it.

```
Scanner scanner = new Scanner(System.in);
double num1, num2;
char operator;
System.out.print("Enter the first number: ");
num1 = scanner.nextDouble();
System.out.print("Enter an operator (+, -, or *): ");
operator = scanner.next().charAt(0);
System.out.print("Enter the second number: ");
num2 = scanner.nextDouble();
double result;
switch (operator) {
        result = num1 + num2;
        System.out.println("Result: " + num1 + " + " + num2 + " = " + result);
        result = num1 - num2;
        System.out.println("Result: " + num1 + " - " + num2 + " = " + result);
     break;
    default:
        System.out.println("Invalid operator. Please use +, -, or *.");
    }
```

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5] Add Jenkins file then commit and push it, In Jenkins make pipeline add configure it. When you create a pipeline. The pipeline will start.