**KAIBUR TASK 5**

**CICD PIPELINE:**

# Project Description

This project is a Java REST API that is deployed using a CI/CD pipeline. The pipeline includes building the code using Maven, committing the changes to Git, creating a Docker image of the application, and deploying it to a Tomcat server.

# Prerequisites

Java 8 or higher

Maven

Git

Docker

Tomcat

Jenkins

# Setup

1. - Clone the project repository to your local machine.
2. - Open the Jenkins dashboard and create a new pipeline job.
3. - Configure the pipeline job to use the project repository as the source code.
4. - Set up the build process by adding the following build steps:
   * Run Maven to build the application.
   * Commit the changes to Git.
   * Create a Docker image of the application.
   * Push the Docker image to a Docker registry.
5. - Set up the deployment process by adding the following deploy steps:
   * Pull the Docker image from the Docker registry.
   * Deploy the Docker container to a Tomcat server.

## Usage

Once the pipeline is set up, any changes to the source code will automatically trigger a new build and deployment. You can monitor the progress of the pipeline and view the logs on the Jenkins dashboard.

# SCREENSHOTS –









