Jenkins Pipeline

Added feature:

- Created a Jenkins Pipeline the change the visibility of Github private repository to a public repository in a specific time.

Steps

1- Use the created Token as credentials.

```
pipeline {

  agent any

  environment {

    GITHUB_TOKEN = credentials('GITHUB_TOKEN') // Created token

  }
```

2- Stage1: Set the waiting time then convert into public

```
stages {

    stage('Wait before changing visibility') {

      steps {

        script {

          def minutesToWait = 5 // Set the number of minutes to wait before changing visibility

          def secondsToWait = minutesToWait * 60

          echo "Waiting for ${minutesToWait} minutes before changing repository visibility..."

          sleep secondsToWait

        }

      }

    }
```

3- Stage2: Change the repository visiblity

```
stage('Change Repository Visibility') {

      steps {

        script {

          def repository = 'MohamedEssam788/Bank_System11_7' // Your repository details


          def response = bat(script: """

          curl -X PATCH ^

          -H "Authorization: token %GITHUB_TOKEN%" ^

          -H "Accept: application/vnd.github.v3+json" ^

          https://api.github.com/repos/${repository} ^

          -d "{\\"private\\": false}"

          """, returnStdout: true).trim()


          echo "GitHub API response: ${response}"


          if (response.contains('"private": false')) {

            echo "Repository visibility changed successfully."

          } else {

            error "Failed to change repository visibility. Response: ${response}"

          }

        }

      }

    }

  }
```

4-Post Build (Check if Failed)..

```
post {
    failure {
        echo "Repository visibility change failed."
    }
  }
}
```

-Pipeline Overview

-Pipeline Console