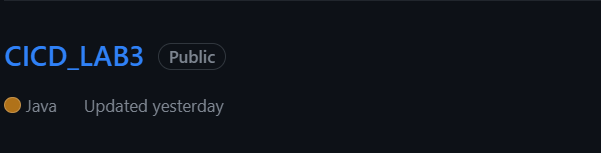
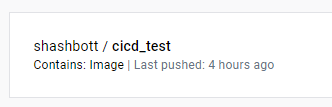
**Lab Experiment 4**

**Docker Build and Push using GitHub Actions**

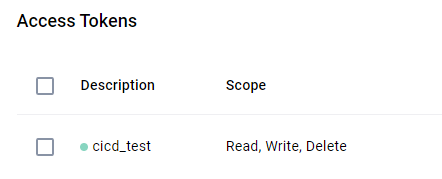
**Objective: Set up a GitHub Actions workflow to automatically build a Docker image from a Dockerfile in your GitHub repository and push it to a container registry (e.g., Docker Hub).**

**STEP 1: Create a GitHub repository and one in docker.**

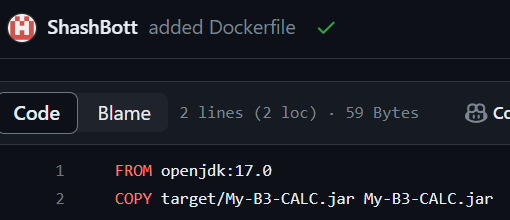
****

****

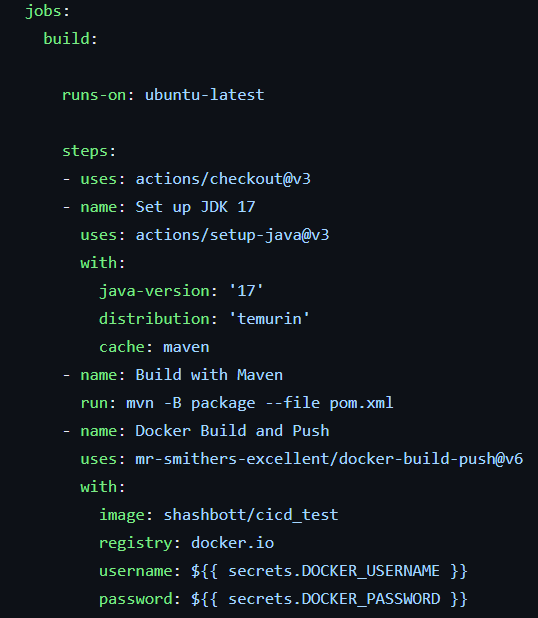
**STEP 2: Create dockerhub access token.**

****

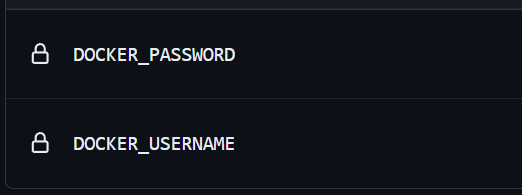
**STEP 3: Create a Dockerfile which will build an image.**



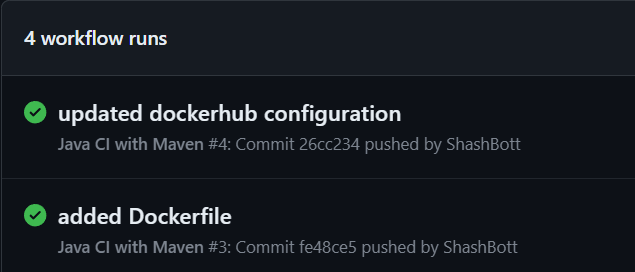
**STEP 4: Create/configure a YAML file inside .github/workflows directory.**



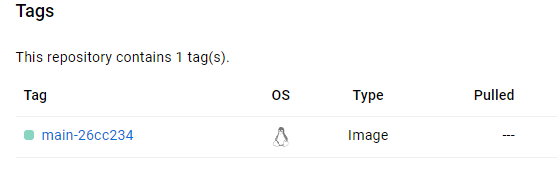
**STEP 5: Add dockerhub credentials to GitHub secrets.**

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**STEP 6: Check the workflow status.**



**STEP 7: Verify the Docker Image on Docker Hub.**

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