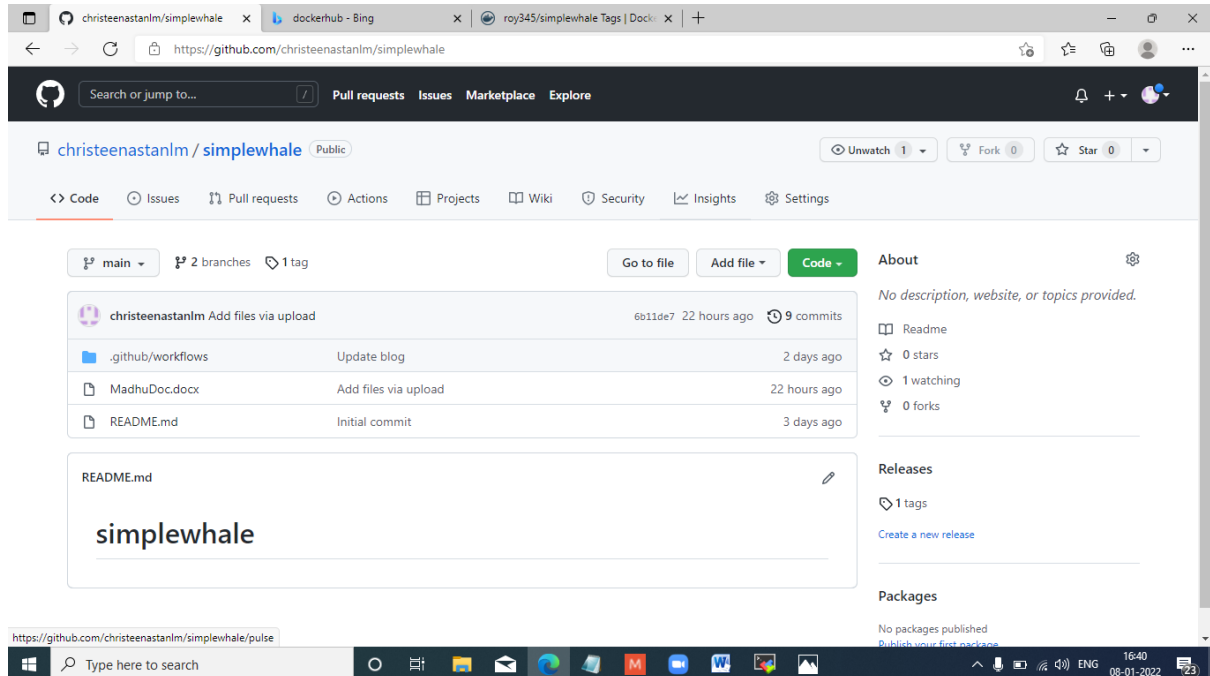


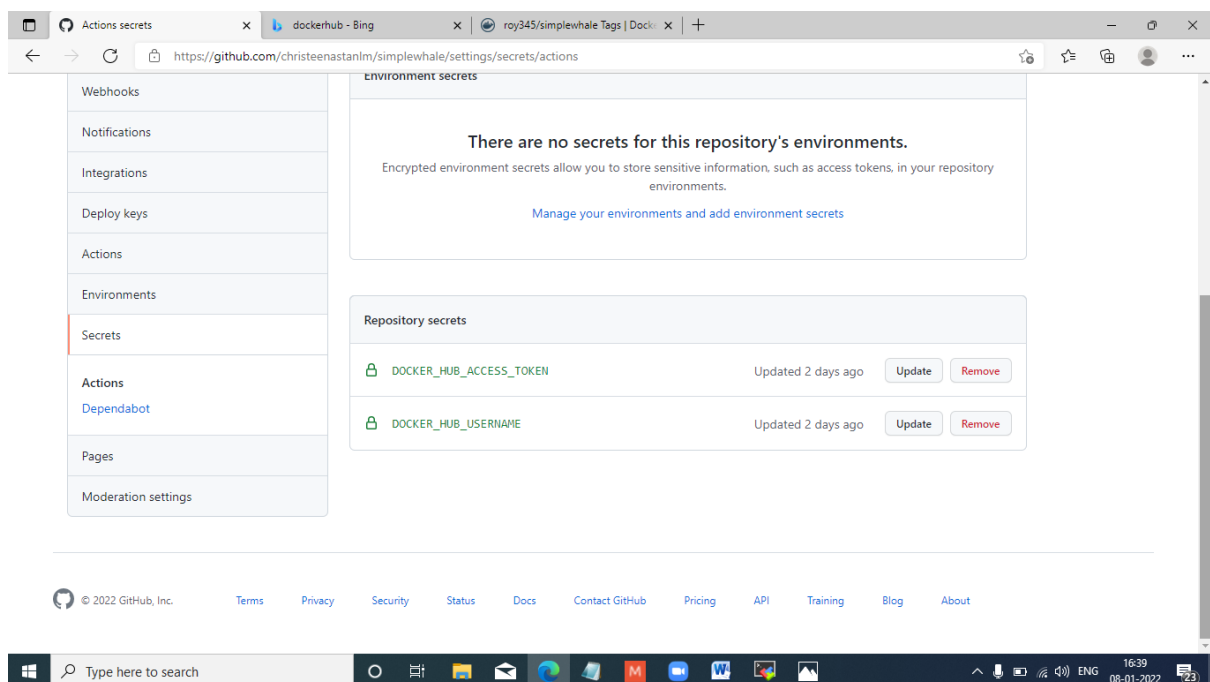
# CI/CD PIPELINE FLOW

## 1. Setting up a ci/cd pipeline with docker

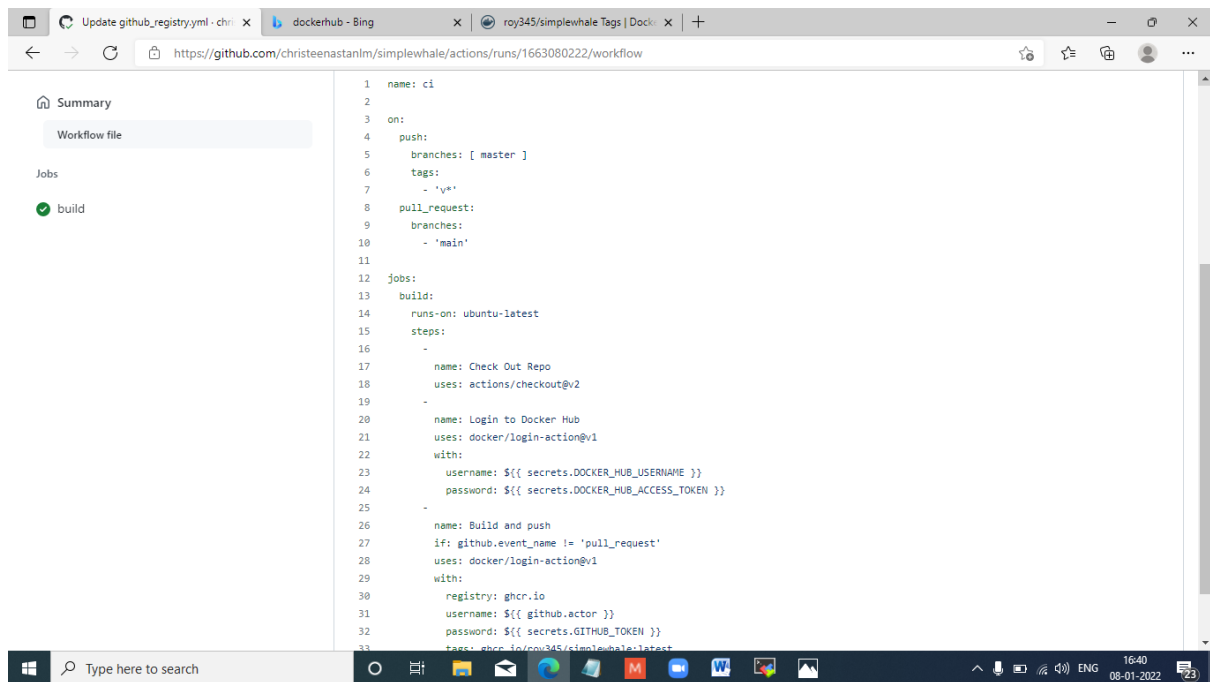
First create a new repository.



2. Then cloning the ushamandya\_simplewhale repository and adding PAT to actions in settings of the repo.



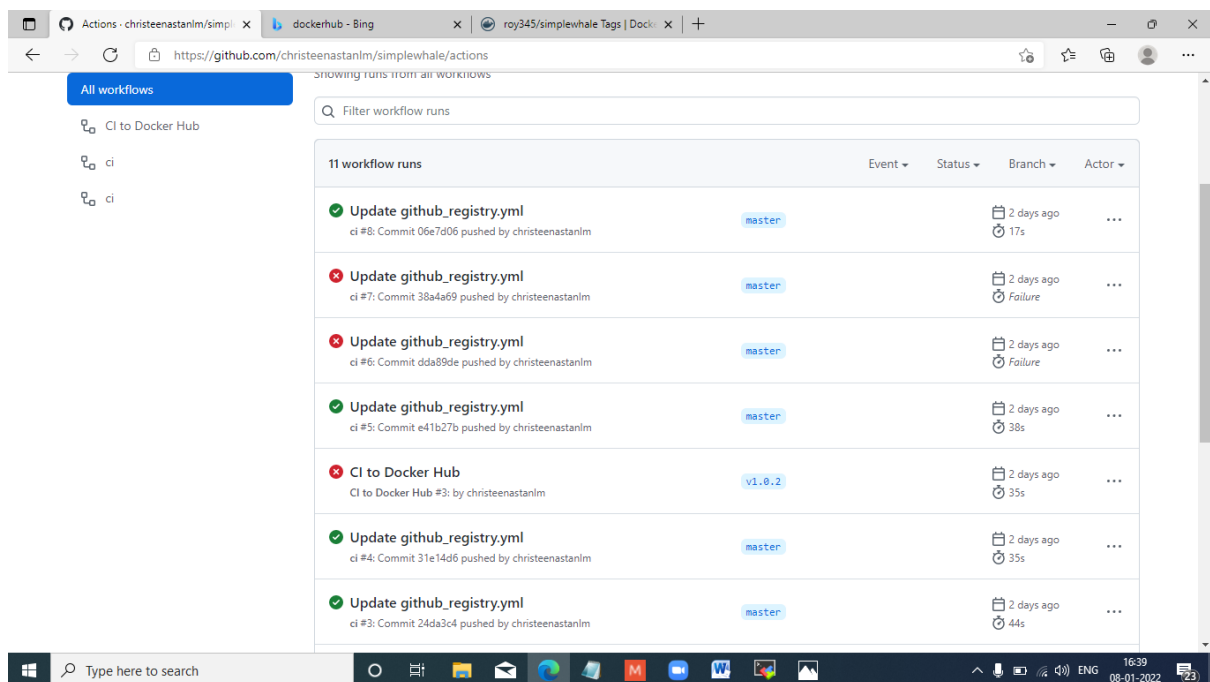
Create a new workflow and write the code.



The screenshot shows a GitHub Actions workflow file named 'ci' in a web editor. The workflow is triggered on push to the 'master' branch or on a pull request to 'main'. It consists of two jobs: 'build' and 'push'. The 'build' job runs on 'ubuntu-latest' and uses the 'actions/checkout@v2' action. The 'push' job runs on 'ubuntu-latest' and uses the 'docker/login-action@v1' action to log in to Docker Hub with the 'ghcr.io' registry. It then uses the 'docker/build-push-action@v2' action to build and push the image to Docker Hub.

```
1 name: ci
2
3 on:
4   push:
5     branches: [ master ]
6   tags:
7     - 'v*'
8   pull_request:
9     branches:
10      - 'main'
11
12 jobs:
13   build:
14     runs-on: ubuntu-latest
15     steps:
16       -
17         name: Check Out Repo
18         uses: actions/checkout@v2
19       -
20         name: Login to Docker Hub
21         uses: docker/login-action@v1
22         with:
23           username: ${ secrets.DOCKER_HUB_USERNAME }
24           password: ${ secrets.DOCKER_HUB_ACCESS_TOKEN }
25       -
26         name: Build and push
27         if: github.event_name != 'pull_request'
28         uses: docker/build-push-action@v2
29         with:
30           registry: ghcr.io
31           username: ${ github.actor }
32           password: ${ secrets.GITHUB_TOKEN }
33           tags: ghcr.io/roy345/simplewhale:latest
```

Then after committing ,run the code



The screenshot shows the GitHub Actions workflow runs page for the 'ci' workflow. The page displays a list of 11 workflow runs, each with a status icon (green for success, red for failure), a title, a commit hash, a branch name, and a timestamp. The runs are sorted by time, with the most recent at the top.

Event	Status	Branch	Actor
Update github_registry.yml	Success	master	christeenastanlm
Update github_registry.yml	Failure	master	christeenastanlm
Update github_registry.yml	Failure	master	christeenastanlm
Update github_registry.yml	Success	master	christeenastanlm
CI to Docker Hub	Failure	v1.0.2	christeenastanlm
Update github_registry.yml	Success	master	christeenastanlm
Update github_registry.yml	Success	master	christeenastanlm

Actions - christeenastanlm/Devops-tutorial | dockerhub - Bing | roy345/simplewhale Tags | Docker | +

https://github.com/christeenastanlm/Devops-tutorial/actions

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Workflows New workflow

All workflows

Showing runs from all workflows

Filter workflow runs

3 workflow runs

	Event	Status	Branch	Actor
Update github_registry.yml ci #3: Commit b7b9570 pushed by christeenastanlm		Success	master	
Add files via upload ci #2: Commit d645b5c pushed by christeenastanlm		Success	master	
madhu ci #1: Commit a90139c pushed by christeenastanlm		Success	master	

Type here to search

16:53 08-01-2022

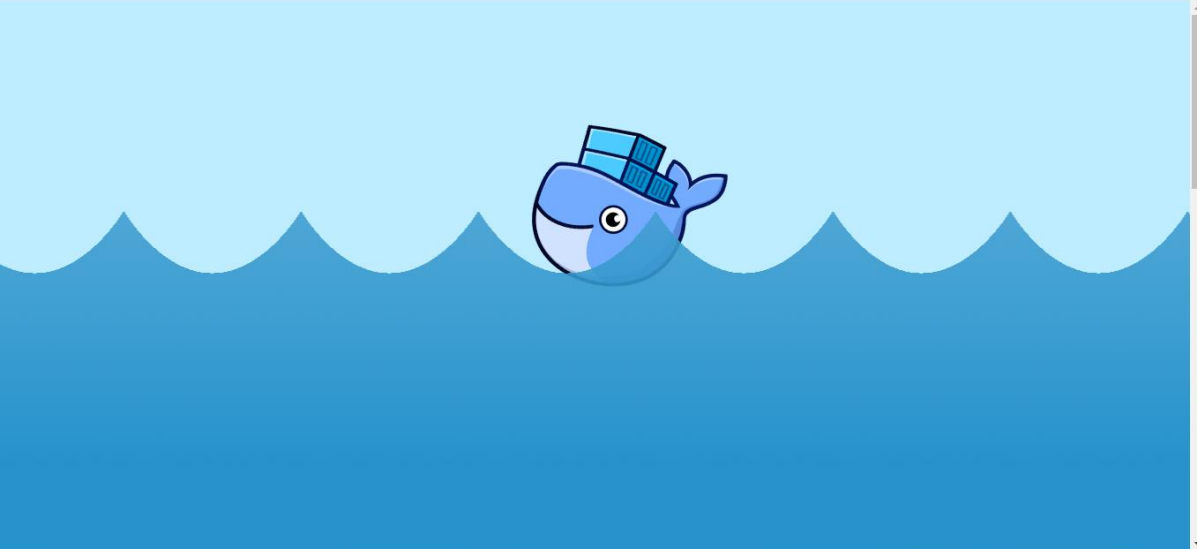
Then pushed it to docker hub and run the whale.

christeenastanlm/chris | Fwd: Account Manag | Devops SRE - Zo | Docker Playground | Docker Whale | roy345/simplewhale | +

ip172-18-0-74-c7bbe9tmrepg00ehoj90-80.direct.labs.play-with-docker.com

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18:40 08-01-2022