**1️⃣ Fork the Repository**

* Fork the required repository (containing Dockerfile, .py, .java, .html, etc.) to your GitHub account.

**2️⃣ Configure GitHub Actions for Docker Image Build**

* Go to **GitHub Actions** → **New Workflow**
* Select **"Docker Image"** configuration for CI/CD.

**3️⃣ Add Secrets to GitHub Actions**

* Navigate to **Settings** → **Secrets & Variables** → **Actions**
* Add the following repository secrets:
  + DOCKER\_USER → Your Docker Hub username
  + DOCKER\_PASS → Your Docker Hub password/token

**4️⃣ Run the GitHub Actions Workflow**

* Go to **Actions** → Select the **.yml workflow file**
* Click **"Run workflow"** to trigger the build and push process.

**5️⃣ Verify Docker Image on Docker Hub**

* Go to **Docker Hub** → **Your Profile** → **Repositories**
* Click on the repository name → Go to **Tags**
* Copy the **docker pull command** (e.g., docker pull monaliborse15/devops-ci-demo-2026:v1).

**✅ Pull, Tag, and Run the Image on Play with Docker**

**6️⃣ Open Play with Docker (PWD)**

* Go to **Play with Docker** and start an instance.

**7️⃣ Pull the Docker Image**

* docker pull monaliborse15/devops-ci-demo-2026:v1

**8️⃣ Login to Docker Hub (if required)**

* docker login
* Enter your **Docker Hub username & password**.

**9️⃣ Verify the Pulled Image**

* docker image ls

**🔟 Tag the Image (if needed)**

* docker image tag monaliborse15/devops-ci-demo-2026:v1 monaliborse15/devops-ci-demo-2026:latest

**1️⃣1️⃣ Push the Image (if changes were made)**

* docker push monaliborse15/devops-ci-demo-2026:v1

**1️⃣2️⃣ Run the Container on Play with Docker**

* docker run -d --name monalicontainer -p 8080:80 monaliborse15/devops-ci-demo-2026:v1

**1️⃣3️⃣ Verify Running Container**

* docker ps

**1️⃣4️⃣ Access the Application**

* Open **http://<Your\_PWD\_Instance\_IP>:8080** in your browser.