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Module 4

1.Mention the actions of following comments:

git remote add origin "http://github/a.git"

This will add a new remote repository using the name origin, with the URL "http://github/a.git".

-git pull origin master

This command fetches and integrates changes from the master branch of the remote repository named origin into the current branch in your local repository.

git push origin dev

This command pushes changes from your local 'dev' branch to the 'dev' branch on the remote repository named origin. If there isn't already a 'dev' branch on the remote repository, it will create one.

2. What are the functions of following Docker objects and key components:

Dockerd (Docker Daemon) :

Dockerd is a Docker daemon running on some host machine. It manages Docker containers, images, networks, and storage volumes. It listens for Docker API requests and processes them.

Dockerfile:

A Dockerfile is a text file that contains a series of instructions on how to build a Docker image.

docker-compose.yaml:

This YAML file defines and manages multi-container Docker applications. It allows you to configure application services, networks, and volumes in a single file.

Docker Registries:

Docker registries are repositories where Docker images are stored and distributed. The most well-known public registry is Docker Hub.

Docker Host:

A Docker host is a physical or virtual machine where Docker is installed and running.

3.What's the isolation in Docker container?

Isolation in Docker containers refers to the separation of applications and their environments, ensuring that each container runs independently without affecting others.