Here are four practical questions to assess understanding of Docker container operations:

**Assignment 1 : Pull and run an Image:**

**Task:** Pull the latest nginx image from Docker Hub and run it in a container named my-nginx. The container should be run in detached mode and should bind the host's port 8080 to the container's port 80.

**Evaluation:** The user should demonstrate understanding of how to use the docker pull, docker run, -d, -p, and --name options correctly.

**Assignment 2 : Interact with a running Container:**

**Task:** Once the my-nginx container is running, exec into it to list the contents of the /usr/share/nginx/html directory.

**Evaluation:** The user should demonstrate understanding of the docker exec command and

how to interact with a running container.

**Assignment 3 : Manage Container State:**

**Task:** Stop and remove the my-nginx container that is currently running. Afterwards, run a new container with the my-nginx:v1 image on port 8080, and name it my-custom-nginx.

**Evaluation:** The user should demonstrate understanding of the docker stop, docker rm, and docker run commands, and should be able to manage container state and ports.

-============== END of Assessment of Day 1 =======================