

Homework 4: Docker II

Correct answers are labeled red bold.

Some necessary explanations are labelled blue.

Q1: How to run docker-compose in detached mode or in the background?

- A. Use `--daemon` flag with `docker-compose up` command.
- B. Use `-d` option with `docker-compose up` command.**
- C. Use `docker-compose run --background` command.

Q2: Which commands can be used instead of `docker-compose up`?

- A. `docker-compose build` and `docker-compose start`.
- B. `docker-compose build` and `docker-compose run`.**
- C. `docker-compose start` and `docker-compose run`.
(`docker-compose start` will start pre-built containers only.)

Q3: Select all the options which applies to the Docker Swarm.

(This is a multi answer question. You can select one or more options as the answer.)

- A. A container orchestration tool.**
- B. A tool from Docker to work with distributed deployments of containers.**
- C. A cluster of Docker hosts.**

Q4: What is the right command to scale down a service running with 6 containers to 3 containers?

- A. `docker service <service_id> scale down 3`.
- B. `docker service scale <service_id>=3`.**
- C. `docker services scale <service_id>=3`.
- D. `docker service <service_id> scale=3`.

Q5: Select all the options which can be used to provide environment variables to a container in `docker-compose.yml` file.

(This is a multi answer question. You can select one or more options as the answer.)

- A. `- env_file`.**
- B. `- environment`.**
- C. `- env`.
- D. `ENV`.

Q6: How to specify the location of the Dockerfile in case of multiple Dockerfiles or to use a Dockerfile located in a different location??

- A. Use `context` and `dockerfile` keywords under `build` section.**
- B. Use `dockerfile` option and provide absolute path to the dockerfile.
- C. Use `directory` option under `build` section with `dockerfile`.