Homework 3: Docker I

Correct answers are labeled red bold.
Some necessary explanations are labelled blue.

Q1: What are the features of Docker?

A. Easy Modelling.
B. Version Control.
C. Application Isolation.
D. All of the above.

Q2: What are the benefits for a developer using Docker?

A. Standardization and Productivity.
B. CI Efficiency & Rapid Deployment.
C. Compatibility and Maintainability.
D. All of the above.

Q3: A Docker container is an instance of an image with a specific configuration.

A. True.
B. False.

Q4: What is a Dockerfile?

A. A developer who loves Docker and containerization, frequently espousing its virtues.
B. Any report or document that Docker components produce.
C. Any folder or document to run Docker components.
D. A template used to describe the build of an image.

Q5: Can we remove a paused container from Docker?

A. Yes.
B. No.
(Normally, we should stop the running container before deleting (removing) it. So we need to unpause the container first and stop this container before removing it. However, we can still forcefully remove a container regardless of its status with "--force/-f" flag.)

Q6: Is Docker image OS-dependent?

A. Yes.
B. No.
(Docker image is OS-dependent and Docker runtime (engine) supports this feature. For example, an alpine-java image created specifically for an x86-64 environment will only run on a Linux docker container engine (or a compatible engine). When you create a

Docker image, it is typically built for a specific combination of operating system (such as Linux) and CPU architecture (such as x86_64).)

Q7: A docker registry is a place to store and distribute docker _____.

A. Files.
B. Codes.
C. Images.
D. All of the above.