HW 7

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Part 3:

For each of the statements below, state whether **it is true or false and explain concisely**.

1. Each container requires its own underlying OS, and the hardware is virtualized.

False, you can have multiple containers on a single OS, and container does not simulate hardware like a VM.

2. Containers can be used only on Linux environment (use Google, if needed)

False, there is also a Windows container also.

3. The Dockerfile file contains instruction commands to build and run the image.

True, as we talked in recitation we use the docker file to build, create and run the application by using the container, this means that we build and run the image.

4. Docker can pull images only from Docker Hub registry.

False, we can create our own images too and pull them.

5. If your highest priority is maximizing the number of applications running on a minimal number of servers, you will prefer using containers and not VMs.

True, Containers are a better choice when your biggest priority is maximizing the number of applications running on a minimal number of servers. This is because containers are much more lightweight than VM. Also containers require less memory space.