**Docker Assignment 6**

1. What is the .dockerignore file's purpose?

Ans: dockerignore file is used to ignore files and folders when you try to build a docker image.

1. How necessary is it to create a cache in Docker?

Ans: Docker will cache the results of the first build of a Dockerfile, allowing subsequent builds to be super fast.

1. What is the significance of docker monitoring?

Ans: Detect and solve issues early and proactively to avoid risks in production. Implement changes safely as the entire environment is monitored.

1. Differences between Windows and Hyper-V Containers/

Ans: The application is containerized using Windows containers and then at deployment time. Windows containers work the same was as Linux containers. Each containerized application runs in its own user-mode, isolated container on a shared host operating system. V containers use the base image defined for the application and automatically creates a Hyper-V VM using that base image.

1. How do I use docker-compose to declare default environment variables?

Ans: define it in a . env file.

1. What is the trusted registry for Docker?

Ans: Docker Trusted Registry is an enterprise-grade image storage solution from Docker. It is installed behind a firewall so that Docker images can be securely stored

1. How do you determine the version of the Docker client and server?

Ans: docker –v command can be used.

1. Can you tell the difference between the COPY and ADD commands in a Dockerfile?

Ans: COPY takes in a src and destination. It only lets you copy in a local or directory from your host into the Docker image itself. ADD lets you do that too, but it also supports 2 other sources.

1. Is it possible for a container to restart on its own?

Ans: Docker provides restart policies to control whether your containers start automatically when they exit, or when Docker restarts.

1. What is the volume parameter in a docker run command used for?

Ans: Volumes are the preferred mechanism for persisting data generated by and used by Docker containers.