# IST769 Homework 1

Name: Mervyn Chacko   
SUID: 320941427  
Email: mchacko@syr.edu  
Date Due: 1/30/2020   
Homework #: 1

Answers:

1. The Redis environment can be brought up in a couple of ways (from my experiments) –

* Change the directory to that that contains the Redis folder (the one containing the docker-compose.yml file), and then run the same command that we used for mssql – **docker-compose up -d**
* The command **docker run redis** can be used, although the “run” command act slightly different from the “up” command.

1. The configuration info is stored in the docker-compose.yml file. This file contains information about software, network and storage dependencies.
2. In docker stopping an environment just stops the containers without removing them ; **docker-compose stop**. While the **docker-compose down** command will stop the containers while also removing the containers and the networks that were created.

A screenshot of a cell phone

Description automatically generated

The network link that was created with the sql client is also stopped after firing the **down** command. I noticed that my created databases (fudgemart\_v3) was not present after firing the down command.

1. When bringing up an environment that’s already up, docker fires an exception saying the respective environment is “up-to-date”.

A close up of a sign

Description automatically generated

1. The assignment was self-explanatory and does guide you well through the steps. Other than the crashes with azure data studio there were no other points of concern that I faced once I got the system up and running.