In this activity, you will be challenged to modify an existing relational database using a Docker *container*. Before beginning this activity, review the submission instructions below to ensure that you collect the required screenshots as you progress through the activity.

**To complete this activity, follow these steps:**

1. Download the [Activity 12.1](https://classroom.emeritus.org/courses/10605/files/3007316/download) folder. In a Word document, include a screenshot demonstrating that you opened the folder in VS Code.
2. Open a Terminal window, navigate to the folder containing the starter file for this activity, and run the command to initialize the *driver*. Provide a screenshot demonstrating that you successfully ran the command.
3. Show the databases available in your starter code. Ensure that the ‘information\_schema’, ‘performance\_schema’, ‘sys’, and ‘mysql’ databases are there and provide a screenshot.
4. Open the `create.py` file and modify it to create a database called `restaurants`. This database will contain two columns both of type varchar. They will both allow a maximum of 20 characters. Provide a screenshot demonstrating that you have successfully modified the code.
5. In the Terminal window, run the correct commands to create and visualize that the ‘restaurants’ database has been created and provide a screenshot.
6. Modify the ‘insert.py’ file to add one restaurant with id equal to 1 and your current time and provide a screenshot of your modified code.
7. Insert the entry in the ‘restaurant’ database and provide a screenshot of your Terminal window after running the correct command. You should see the correct entry in the database. Include a screenshot of your Terminal window.
8. Following the steps in Video 12.4, create a Docker *container* named ‘my\_sql’. Use port 3300. Provide a screenshot demonstrating that you successfully created the *container* in Docker.
9. Run the ‘show\_databases.py’ file again while you have the Docker *container* running to show that everything runs as expected. Include a screenshot of your Terminal window. Note that your screenshot should include both the Docker *container* running as well as the Terminal window. Feel free to provide two screenshots for this step.

**Submission Instructions:**

Your submission for this assignment should be a Word document that includes the following screenshots, each labeled for the step that the screenshot represents:

1. A screenshot to show that you opened the [Activity 12.1](https://classroom.emeritus.org/courses/10605/files/3007316/download) folder in VS Code.
2. A screenshot to show that you successfully ran the command to initialize the *driver*.
3. A screenshot to show the ‘information\_schema’, ‘performance\_schema’, ‘sys’, and ‘mysql’ databases are in your starter code.
4. A screenshot to show that you successfully modified the `create.py` file to create a database called `restaurants` containing two columns.
5. A screenshot of your Terminal window to show that the ‘restaurants’ database has been created.
6. A screenshot of your modified code in the ‘insert.py’ file to add one restaurant with id equal to 1 and your current time.
7. A screenshot of your Terminal window to show that you ran the correct command to add the entry in the ‘restaurant’ database.
8. A screenshot to show that you created a Docker *container* named ‘my\_sql’ using port 3300.
9. A screenshot of the ‘show\_databases.py’ file while you have the Docker *container* running to show that everything runs as expected. Note that your screenshot should include both the Docker *container* running as well as the Terminal window. Feel free to provide two screenshots for this step.