W09 Scenario:

You are really motivated by the success of the companies you are working for and now you are wondering how you will make things more portable and scalable in the future. You start to ask yourself, "What if our CPU/Memory demands jump significantly?" and "What if I have to be ready to deploy these databases at different locations?" You decide to use Docker to prepare for these possibilities. To do so, you will test moving all of your databases inside of a docker container running Microsoft SQL Server.

W09 Scenario Submission Guidelines:

Be sure you submit all elements labeled by the bolded word, **SHOW**.

1. Verify the container you created in the stepping stone assignment is running. **NOTE**: If you are struggling with your docker container, **please see the vital** command reference and troubleshooting document or the alternate path document (for those unable to run Docker Desktop). **In addition, please review the material in this week's Canvas preparation post thoroughly**.
2. Take a new set of full backups for the user databases (*BowlingLeagueExample, EntertainmentAgencyExample, RecipesExample, SalesOrderExample, Sample, and SchoolSchedulingExample*). Name the backup files in a manner that allows you to easily identify them.
3. Copy all of the backup files from the last step into the docker container. Again, refer back to this week's preparation post for linux help when navigating inside of your container. You may also refer to the stepping stone or reference document referred to at the end of this document.

   SHOW 1: Your backup files for *BowlingLeagueExample, EntertainmentAgencyExample, RecipesExample, SalesOrderExample, Sample, and SchoolSchedulingExample* and show how you copied them into your docker container.

4. Determine the port and connect to your new docker instance using management studio.
5. Complete restores for all copied backup files while connected to your docker instance.

   SHOW 2:
   - The process of one database restore while connected to your docker instance through management studio.
   - The databases are now running inside your docker instance as well as your local instance. These should include: *BowlingLeagueExample, EntertainmentAgencyExample, RecipesExample, SalesOrderExample, Sample, and SchoolSchedulingExample (**NOT** WideWorldImporters*).

REMINDER: Please reference the command reference and troubleshooting document, the preparation post in canvas, and Microsoft Teams throughout the week.