**Use Case: Setting up a Simple Docker and performing docker commands**

**Scenario:**  
You are tasked with setting up a simple Docker environment for testing purposes. You need to pull an image, create a container, run the container, check logs, stop it, and inspect its metadata. Additionally, you need to ensure the container is running within a specific network.

Here are the questions based on the use case scenario:

1. **How can you check if Docker is running on your system?**
2. **What command would you use to pull the hello-world image from Docker Hub?**
3. **How do you create a container named hello\_test\_container using the hello-world image?**
4. **What is the command to start the hello\_test\_container container?**
5. **How can you view the logs of the hello\_test\_container container to check if it is functioning correctly?**
6. **How can you inspect the metadata of the hello\_test\_container container to gather detailed information about it?**
7. **You are asked to perform the operation in the CLI mode**
8. **You need to open CMD using the Ctrl + R and Type CMD**
9. **The windows CMD will open you will need to perform all the commands requested in the question**
10. **After the commands you will need to run the testcase and submit the testcase to git**

**Run the code and submit the code**

* **Goto the project folder and in URL open cmd then run the python testcase code**
* **To Run the testcase run the python file in the project folder using the command using the command python run\_tests.py**
* After the testcase is completed you push the code to the repository

**Push the code the repository**

**You can run test cases as many numbers of times and at any stage of Development, to check how many test cases are passed/failed and accordingly refactor your code.**

1. **Make sure before final submission you commit all changes to git**. For that open the project folder available on desktop

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* 1. Right click in folder and open Git Bash

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* 1. In Git bash terminal, run following commands
  2. git status

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* 1. git add .

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e . git commit -m “First commit”

(You can provide any message every time you commit)

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