a. Pull the official Python image, python:<version>-alpine (the smallest version).

b. Build a custom Docker image by creating a directory, and adding a hello.py file that prints "Hello from the container, Your Roll No.(replace this with your roll no.)". Use a Dockerfile to create the image.

c. Push the created Docker image to DockerHub. The image should print the above statement when pulled and run.

Submission:

a. Provide the link to your DockerHub repository with the uploaded image in the report.

b. Write a short report describing how you set up Docker, the steps for building, running, and pushing the Docker image, and any issues faced and how you addressed them.

Note:

a. Submit a single report named **YourRoll_No.pdf**. Make sure the report is concise and includes all required screenshots.

b. You will be graded based on your efforts.