**Description**

**Objective:**

The objective of this assignment is to familiarize yourself with Docker and containerization by Dockerizing a simple HTML page using Nginx as the web server.

**Requirements:**

**1. Basic HTML Page:**

- Create a plain HTML page named `index.html` with some content (e.g., "Hello, Docker!").

**2. Nginx Configuration:**

 - Create an Nginx configuration file named `nginx.conf` that serves the `index.html` page.

   - Configure Nginx to listen on port 80.

**3. Dockerfile:**

 - Create a `Dockerfile` to define the Docker image.

   - Use an official Nginx base image.

   - Copy the `index.html` and `nginx.conf` files into the appropriate location in the container.

   - Ensure that the Nginx server is started when the container is run.

**4. Building the Docker Image:**

- Build the Docker image using the `Dockerfile`.

**5. Push the image on ECR**

  - Make the public repository and push them on the ECR

**6. Documentation:**

- Provide a brief documentation (in a README.md file) explaining the purpose of each file (index.html, nginx.conf, Dockerfile) and the steps to build and run the Docker container.

**7. Submission:**

- Push all artifacts including the link of the public repository on the README.md file and docker file into the GitHub repository and submit the repository.

**Bonus (Optional):**

**For those looking to go the extra mile:**

- Customization: Add more features to your HTML page or customize the Nginx configuration to serve additional static files.

- HTTPS Support: Explore and implement support for serving the HTML page over HTTPS.

- Docker Compose: Create a `docker-compose.yml` file to define and run the Docker container, making the process even more streamlined.

**Submission Instructions:**

To submit your assignment, please follow these guidelines:

- Ensure that your assignment is fully completed.

- Push your code to a GitHub repository.

- Share the repository link by including it in a text, Word, or PDF file format.

Submit the file/text containing the repository link via Vlearn.