**Assignment Tasks**

**1. Provision EC2 Instances using Terraform**

* Use Terraform to create an AWS EC2 instance Amazon Linux 2.
* Ensure security groups are configured to allow necessary ports (e.g., SSH: 22, App: 80/3000).

**2. Install Docker on the EC2 Instance**

* Use Terraform user data to:
  + Install Docker.
  + Start the Docker service.
  + Add the EC2 user to the Docker group (if applicable).

**3. Containerize a Sample Application**

* Use a public Docker image or build your own (e.g., a simple Node.js, Python, or Nginx app).
* Run the container using Docker and host the application Nginx Web Server.
* Ensure the application is accessible via the public IP of the EC2 instance.

**4. Outputs**

Your Terraform script should output:

* Public IPs or DNS names of the running instances.

**5. Outputs**

Store Terraform state in remote backend using S3.