**Set B**

1. Automating Docker setup with Ansible playbook.
2. Setup the Worker node and Master node using Terraform. (same do for cloud formation)
3. How to install Prometheus and Grafana on you cluster using Terraform and helm.
4. Docker Installation and Setup
   * Install Docker on your local machine or a designated server.
   * Verify that Docker is correctly installed and running.

* Containerizing the Web Application
  + Choose a simple web application (e.g., a basic HTML/JavaScript web page) or use a sample application.
  + Create a Dockerfile for the web application. Ensure that it specifies the base image, sets up the necessary environment, copies the application files, and defines the startup command.
  + Build a Docker image from the Dockerfile.
* Docker Compose
  + Create a docker-compose.yml file to define a multi-container application stack.
  + Include the container for your web application and a database container (e.g., MySQL or PostgreSQL) in the Docker Compose file.
  + Set environment variables, network configurations, and dependencies between the containers.
  + Ensure that the database container is configured to persist data outside of the container.
* Local Development
  + Use Docker Compose to launch the multi-container application stack on your local machine.
  + Verify that the web application is accessible in your web browser.
  + Test the functionality and data persistence of the application.
* Docker Hub or Container Registry
  + Push your web application Docker image to Docker Hub or a container registry of your choice.
  + Provide a link to the image repository in your documentation.