MINI PROJECT  
  
Task - Create 2 EC2 instance using terraform in an AWS. and install nginx server using ansible, and deploy a simple HTML page with CI CD tool Jenkins in nginx server to access the page and monitor the instance using Prometheus and Grafana.  
  
  
Tools: AWS, Terraform, Ansible, Jenkins, Nginx, Prometheus and Grafana.  
  
  
Step 1: Created a terraform script to create the infrastructure in AWS and also installed Jenkins and ansible using user data in EC2 instance.  
  
Step 2: Created Ansible playbook to install the Nginx server with the HTML page.  
  
Step3: Created a pipeline in Jenkins to automate my html page to deploy in Nginx Directory to access my html page.  
  
step 4: Installed Prometheus and Grafana in another EC2 instance to monitor the server and HTTP response.  
  
Step 5: Configure the Prometheus file and node exporter.yml in the target server to collect metrics and visualized using the Grafana dashboard.  
  
Please find the link for the code: <https://github.com/VMoshik/Demo_HTML>  
