1. Create a git repo

2. Write a python code to print Hello world in starting & then print CPU, Mem usage of pod in every 10 sec

3. Commit the code to feature/git-jenkins branch in Github

4. Create a PR of feature/git-jenkins branch to main branch

5. Approve the PR

Write an automated pipeline to perform the below steps -

1. Use above code of main branch from GitHub to build its docker image

2. Build the docker image with name jenkins-assignment and tag v1. Push the docker image to ECR

3. Deploy a nginx application to default namespace of EKS. Use the yaml file from - https://k8s.io/examples/application/deployment.yaml

4. List images in ECR, pods and deployments in EKS

5. Pipeline should trigger an email to your sigmoid's email ID on success or failure of the pipleine

The Git repo, screenshots of Jenkins console ouput and the email (from inbox) as final submission