Task: Build and deploy a simple web application on target machines using a CI pipeline.

Note: It's perfectly fine to conduct your own search and trials, but make sure to understand each part of your script. If you choose to use ChatGPT, do so wisely—for syntax checks or error detection. Do not rely on it to solve the task for you; you are more capable than ChatGPT.

Requirements:

1. **Push the attached python code to your GitHub private repository**:

2. **Write a Dockerfile to containerize the application and push it to your repo.**

3. **Make two vagrant machines with low specs**

4. **Set up a Jenkins pipeline to:**

   - Pull code from a Git repository (require credentials **token**).

   - Build a Docker image.

   - Push the image to Docker Hub

   - Run ansible playbook that do the following :

     - Installing docker on the two-target vagrant machine using ansible

     - Pull the docker image from Dockerhub on the two target machines

     - Run docker container from image on the two machines