Steps:

1. **Working environment**: Windows Linux Subsystem, running Ubuntu.
2. Created 3 instances on Amazon AWS, Ubuntu Server 18.04 LTS.
3. Install python manually on the 3 servers:
   1. Login through SSH connection.
   2. Sudo apt-get install python -y.
4. Copied all 3 servers IP addresses to ansible “hosts” file divided into 2 groups (A, B\_C).
5. Created domain **ansibletask.hopto.org** on noip.com and directing it to server A.
6. Run Playbooks by order:
   1. **play\_init.yml**
   2. **play\_b\_c.yml**
   3. **play\_a.yml**

Playbooks and files used:

1. **hosts** – Ansible hosts file (stored in /etc/ansible).
2. **play\_init.yml** – Playbook for initial setup of the servers and limits connectivity.
   1. **interfaces** – Script that restores all iptables rules after restart.
3. **play\_b\_c.yml** – Playbook for setup servers B and C with nginx and the site content.
   1. **static\_site.cfg** – Configuration file to use by nginx for the simple website.
   2. **Nginx\_site (dir)** – Contains simple *test.html* page and a photo.
4. **play\_a.yml** – Playbook for setup server A with HAProxy and the SSL key.
   1. **haproxy.cfg** – HAProxy configuration file, copied to the server. Contains frontends for both http and SSL connections, and backend with the 2 servers.