**Installing and Configuring Nginx using Jenkins**

In this assignment, I used **Jenkins** to automate the installation and configuration of **Nginx** on an Ubuntu system. I created a **Freestyle Project** in Jenkins and added a shell script in the build step to:

1. **Update package lists** using sudo apt update.
2. **Install Nginx** using sudo apt install -y nginx.
3. **Enable and start the Nginx service** using sudo systemctl enable nginx and sudo systemctl start nginx.
4. **Allow HTTP traffic (port 80)** through the firewall using sudo ufw allow 80/tcp and sudo ufw reload.
5. **Verify Nginx status** using sudo systemctl status nginx --no-pager.

After successfully building the project in Jenkins, I accessed **Nginx’s default web page** using http://127.0.0.1:80. Finally, I verified the installation using terminal commands and documented the process with screenshots.

