### **DEVOPS**

## **ASSIGNMENT 1**

## Installation of Nginx.

#### **Task Description:**

This task involves creating a Jenkins Freestyle job that automates the installation of Nginx on an Ubuntu server using the command sudo apt-get install -y nginx. This automation ensures consistent server setup and can be easily repeated, making it ideal for automated environments.

## **Steps:**

## 1. Update Package List:

- o Run the following command to update the package list:
- o sudo apt update

# 2. Install Nginx:

- o Install Nginx using the following command:
- o sudo apt-get install -y nginx

#### 3. Verify Installation:

- o Check if Nginx is running with the command:
- o systemctl status nginx

#### 4. Create Jenkins Freestyle Job:

o In Jenkins, click New Item and create a Freestyle project (e.g., Install Nginx).

### 5. Configure Job:

- o Add a build step of type Execute shell.
- o In the shell command box, enter:
- o sudo apt update
- o sudo apt-get install -y nginx

#### 6. Save and Run Job:

Save the job and click Build Now to run it.

# 7. Check Console Output:

 After the job completes, view the Console Output to confirm the successful installation of Nginx.

#### **OUTPUT:**



