Project Title: **Automating Infrastructure using Terraform.**

**Description:**

In this project, we are going to provision an EC2 instance in AWS using Terraform and install Java, Jenkins, and Python in that same instance using Ansible.

**Requirements for executing this project:**

* Terraform installed in a machine.
* AWS account with security credentials, Keypair

**Steps used in this Project:**

**Step 1:Provisioning EC2 instance using Terraform**

For this, we need to create a folder named aws-terraform-demo. In that create two files **Main.tf** and **provider.tf** these are the files used by Terraform to provision the EC2 instance in AWS. The source code section contains the actual code contents please refer for further proceeding.

Login into AWS and check if the EC2 instance is created.

**Step 2: Install Java, Jenkins and Python**

For this, we need to install Ansible in the created EC2 instance. Firstly connect to the EC2 instance using ssh then use file **ansible-install.sh** to install ansible in this instance.

Use the **jenkins-playbook.yml** file to install the mentioned software in it.