**Terraform**

Youtube: https://www.youtube.com/watch?v=tQlMj\_nyN6s&t=6839s

(Master Classs: Terraform for AWS (Beginner to Pro)) by NSskill

**Terraform Site:** https://www.terraform.io/

Open source tool Developed by HashiCorp

**Language Used:** HCL (HashiCorp Language)

Sample Code for infrastructure will be available in this location for AWS provider:

https://registry.terraform.io/providers/hashicorp/aws/latest/docs

**How to install:**

Its just an .exe file download it and place it in a folder. Set path to the system variables.

**Main Commands:**

Power shell: Get-Command Terraform --> displays terraform and where it is installed

**init**: Initializes the terraform

**plan:** It Just Displays what resources are we going to create/modify. This will NOT Create any resouce

**apply**: Shows what resources are we going to create/modify and then it creates the resources

**destroy**: This will destroy the resources

Terraform File extension: Sample.tf

**State File:** This will store the entire information what we have done in the past and what are we going to do.

If we are running the terraform code for the second time this will not create the instance again if it is already created.

because that information is stored in state file