**FlipGrid Questions**

**What is Terraform?**

Terraform is an open source “**Infrastructure as Code**” tool, created by **HashiCorp**. It is a declarative coding tool, Terraform enables developers to use a high-level configuration language called HCL (**HashiCorp Configuration Language**) to describe the desired “**end-state**” cloud or on-premises infrastructure for running an application. It then generates a plan for reaching that end-state and executes the plan to provision the infrastructure.

Keyword: open source,  **Infrastructure as Code, HashiCorp**

**Name the components of Terraform?**

The logical separation of Terraform into separate structures refers to. The two components are the Terraform Core and Terraform Plugins. The Terraform Core utilizes distant process calls for communicating with Terraform Plugins. Also, Terraform Core offers varied ways of discovering and loading plugins according to supplies. The Terraform Plugins symbolize a completion for a specific service such as bash or AWS.

Keyword:  two separate components, Terraform Core, Terraform Plugins

**What are the use cases of Terraform?**

Heroku App Setup  
Multi-Tier Applications  
Self-Service Clusters  
Software Demos  
Disposable Environments  
Software Defined Networking  
Resource Schedulers  
Multi-Cloud Deployment

**What are the advantages of Terraform?**

Platform Agnostic  
State Management  
Operator Confidence

**What are terraform Provisioners?**

Provisioners are used for **executing scripts** or **shell commands** on a local or remote machine as part of resource **creation/deletion**. They are similar to “**EC2 instance user data**” scripts that only run once on the creation and if it fails terraform marks it tainted.

Keyword:**scripts** , **shell commands** , **creation/deletion**