Lab: Commenting Terraform Code

To make our code easier to understand for others who might want to contribute we may want to add a comment to explain what a resource or a particular code block is doing. The Terraform language supports three different syntaxes for comments:

```
# begins a single-line comment, ending at the end of the line.
```

```
// also begins a single-line comment, as an alternative to #.
```

```
/* and */ are start and end delimiters for a comment that might span over
    multiple lines.
```

- Task 1: Add Single Line Comment to Terraform Configuration
- Task 2: Add Multi-Line Comment to Terraform Configuration

Task 1: Add Single Line Comment to Terraform Configuration

Update your main.tf to include a single line comment at the top of your file.

```
# IaC Buildout for Terraform Associate Exam

# Configure the AWS Provider
provider "aws" {
  region = "us-east-1"
}
```

Run a terraform plan to validate that adding a single line comment has no effect on the configuration and thus will return a No Change plan.

```
terraform plan
```

```
No changes. Infrastructure is up-to-date.
```

> Note: There is no harm in running a terraform plan after adding any items into a Terraform configuration file. In fact it can be quite useful to run to validate that your configuration changes will not have any impact on your deployments.

Task 2: Add Multi-Line Comment to Terraform Configuration

Update your main.tf to include a single line comment at the top of your file.

```
/*
Name: IaC Buildout for Terraform Associate Exam
Description: AWS Infrastructure Buildout
Contributors: Bryan and Gabe
*/

# Configure the AWS Provider
provider "aws" {
  region = "us-east-1"
}
```

Run a `terraform plan` to validate that adding a single line comment has no effect on the configuration and thus will return a `No Change` plan.

```
terraform plan
```

```
No changes. Infrastructure is up-to-date.
```

The # single-line comment style is the default comment style and should be used in most cases. Automatic configuration formatting tools may automatically transform // comments into # comments, since the double-slash style is not idiomatic.

Reference

Terraform HCL Comments