**Terraform AWS setup:**

First of all we need to create a user in aws so that access key and password will be generated and we can use them to make resources to aws.

**Creating Instance using Terraform:**

Provider “aws”

{

Region = “us-east-1”

Access\_key = “AKJHCXDGBBJIGDGKJ”

Secret\_Key = “gdyryuueeyhjkii/fyfhu/874tjbjk”

Version = “~>2.0”

}

Resource “aws\_instance” “web1” {

Ami = “ami-92789yhhut7w”

Instance\_type = “t2.micro”

}

So to execute above code run below commands:

$ terraform plan

$ terraform apply

We can see that the instance is getting created in Aws console.

We can also destroy any resources created using:

$ terraform destroy

**Terraform basic commands:**

1. Terraform plan:

* This command show you what will happen. You can save plans to guarantee what will happen.
* + indicates a resource will be created.
* - indicates a resource will be destroyed.
* ~ indicates a resource will get updated.
* -/+ indicates a resource will be destroyed and re-created.

1. Terraform Apply:

* Executes changes to reach desired state.
* Updates existing resources when updates are allowed.
* Re-creates existing resource when updates are not allowed.

1. Terraform Destroy:

* Destroys running infrastructure.
* Does not touch infrastructure not managed by terraform.