**Terraform-Intial-setup**

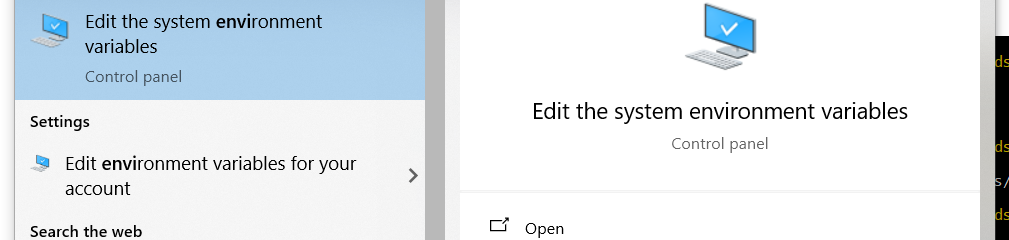
1) Install Terraform on your PC

4) Integrate a sample Terraform template in jenkins.

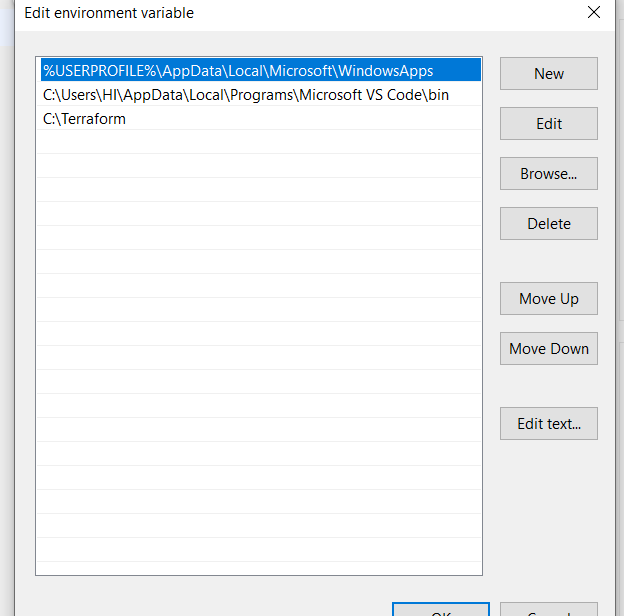
1. **Install Terraform on your PC**

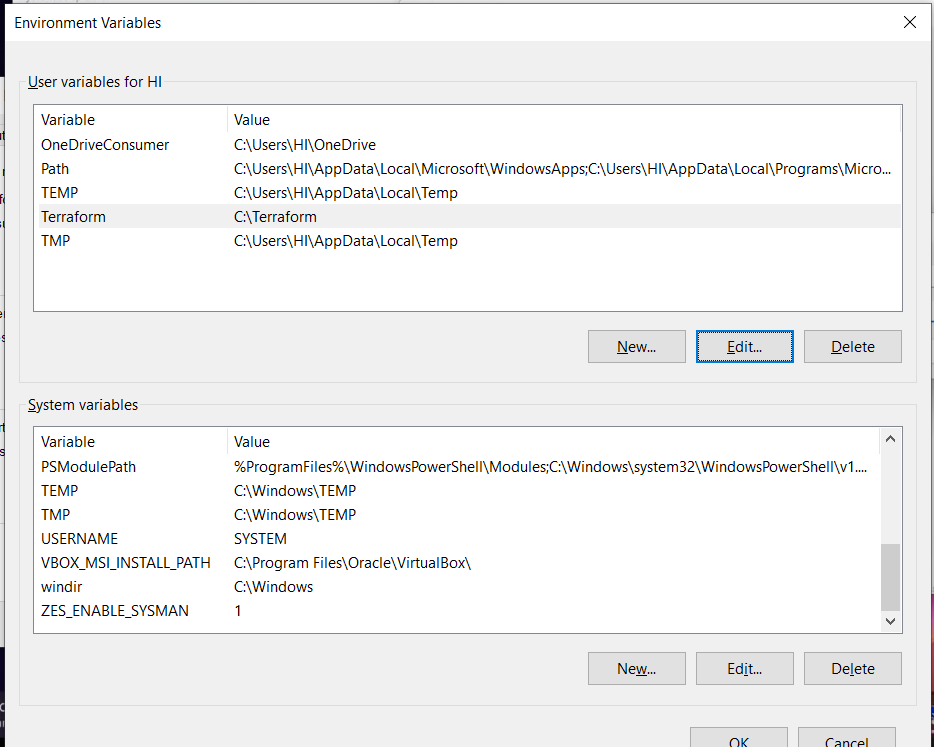
We need to download Terraform windows version from browser in zip file

\*Then unzip it and save this application path in the environment variables in our local machine shown as below.

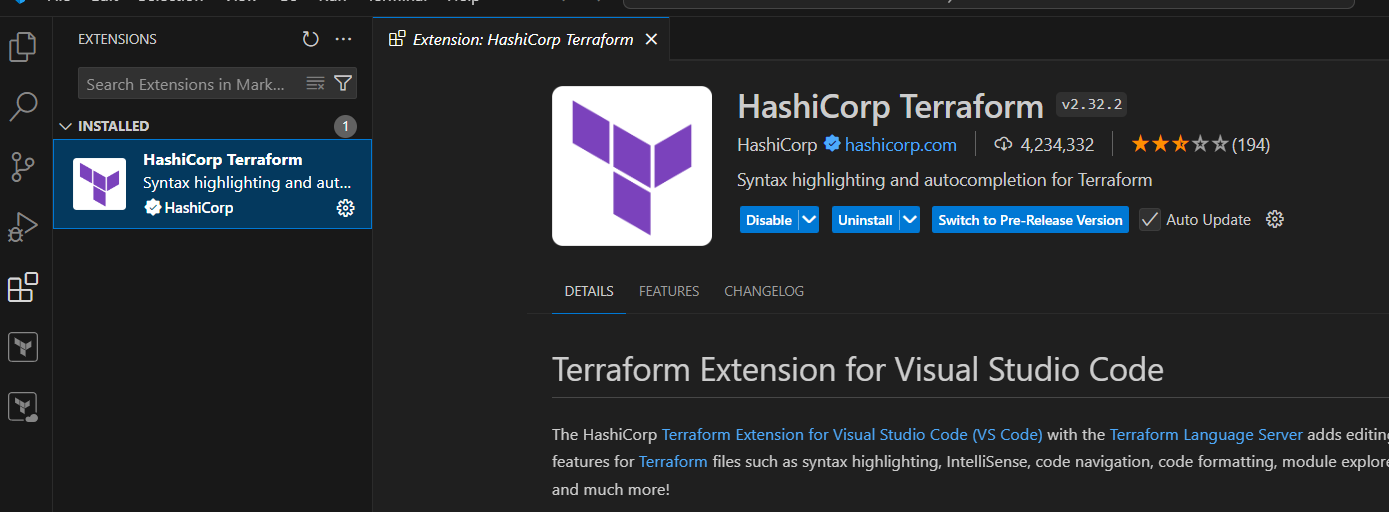


**\*** Add the path where our terraform application stores in local machine





\* After adding the path open VSC( Visual code studio), and install the terraform plugin



**2) Execute all the templates shown in video.**

**3) Note down below points,**

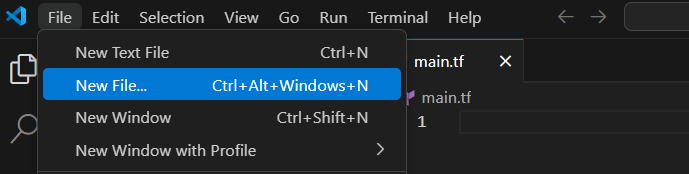
**Terraform Init**

**Terraform Plan**

**Terraform Apply**

**Terraform Provider**.

\* First create a new file where we need to store executable resources



\* Adding the local module with content into a new file

resource "local\_file" "my\_pet" {

    filename = "pet.txt"

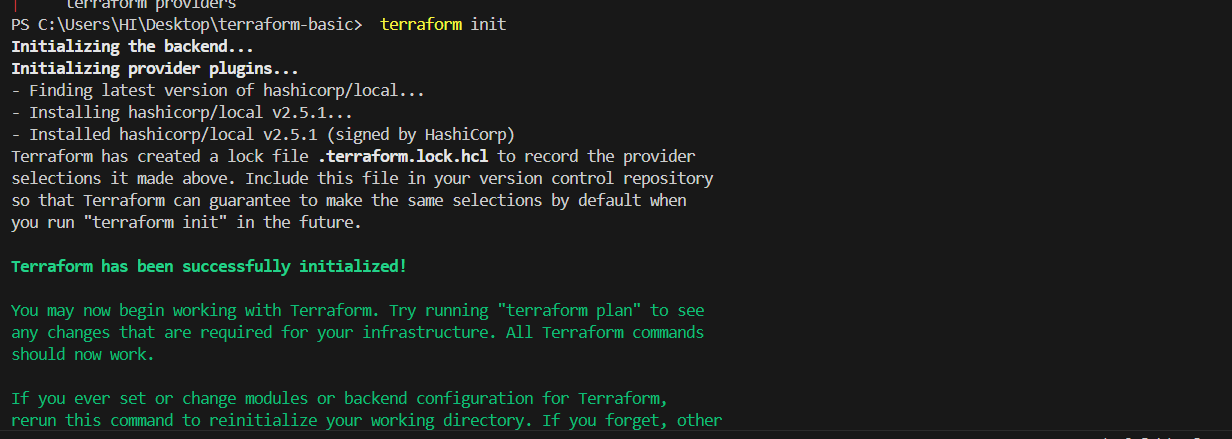
    content = "i don't like pets!"

}

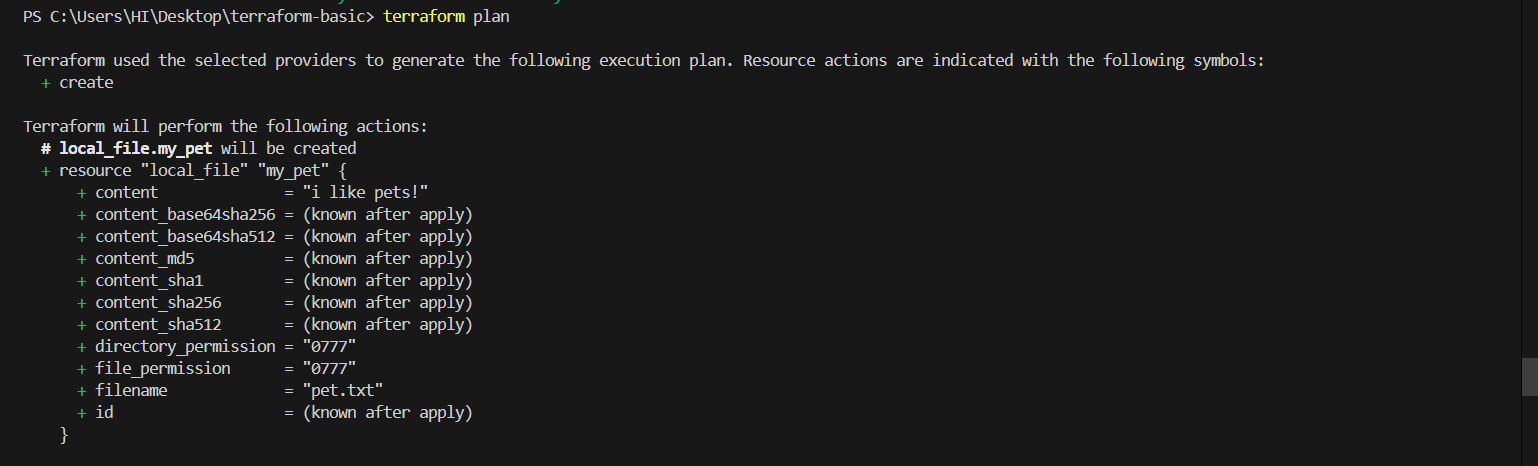


\* First we need to initialize the terraform to install the new version of terraform, while intializing the provider plugin also create a lockfile

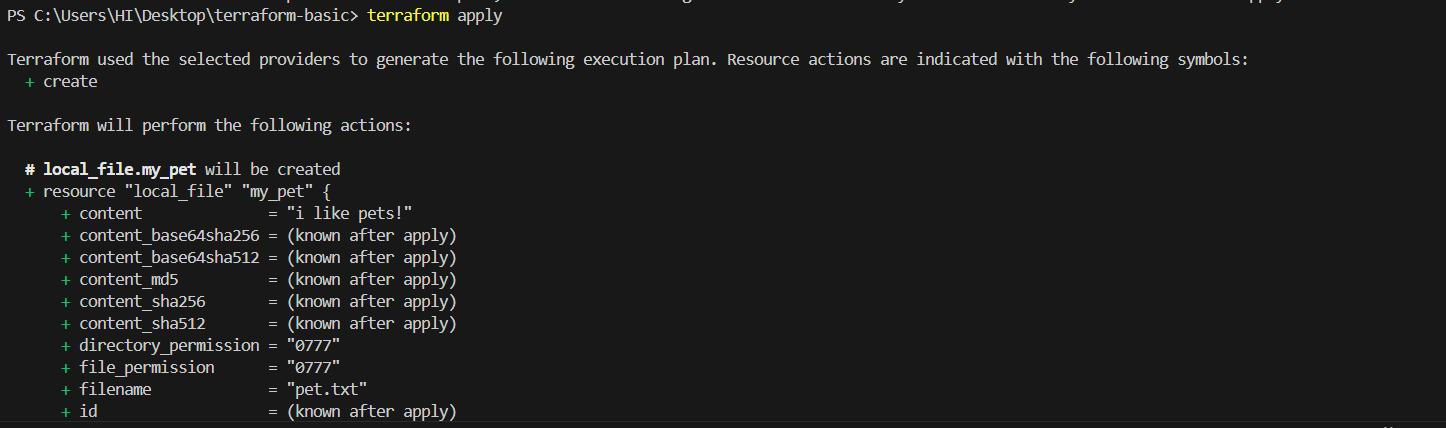
“terraform init”



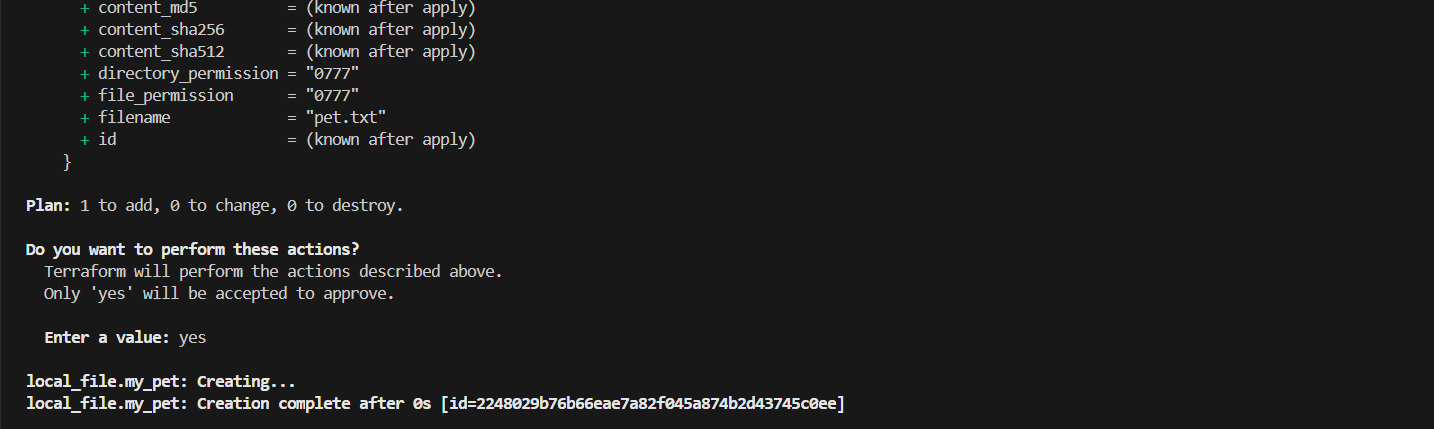
“terraform plan”



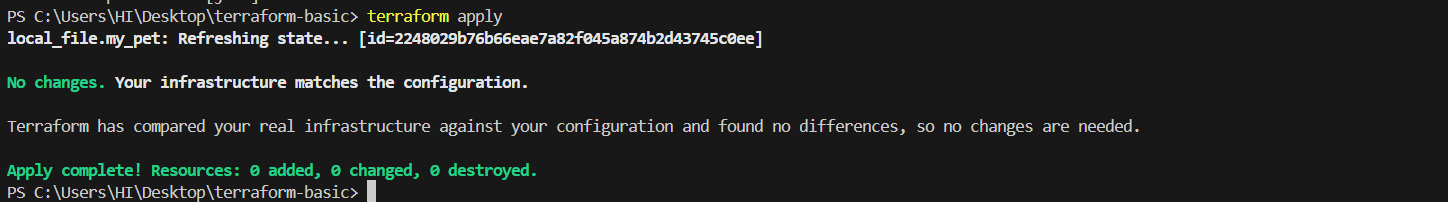
“terraform apply”



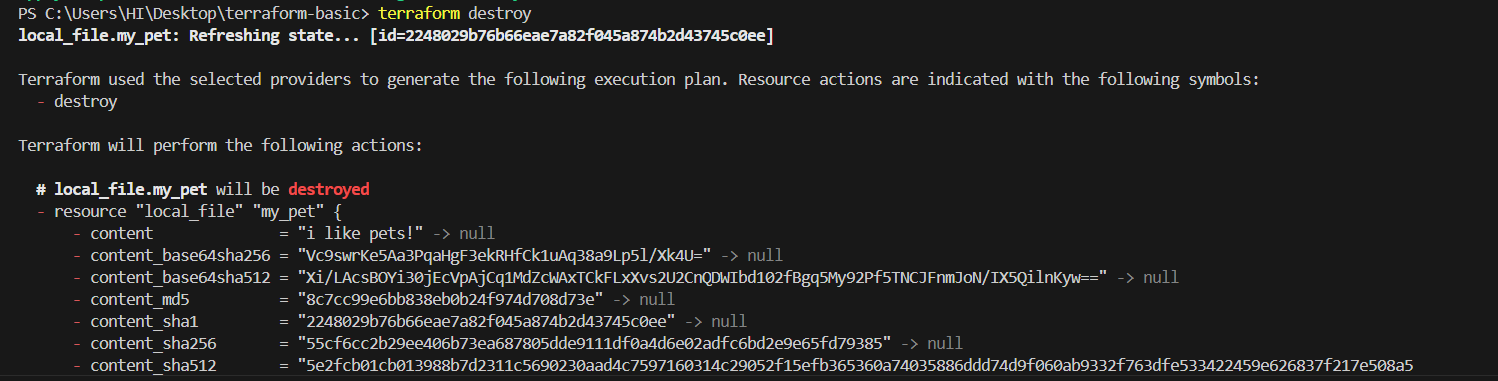
\* After giving the permission it will create a file



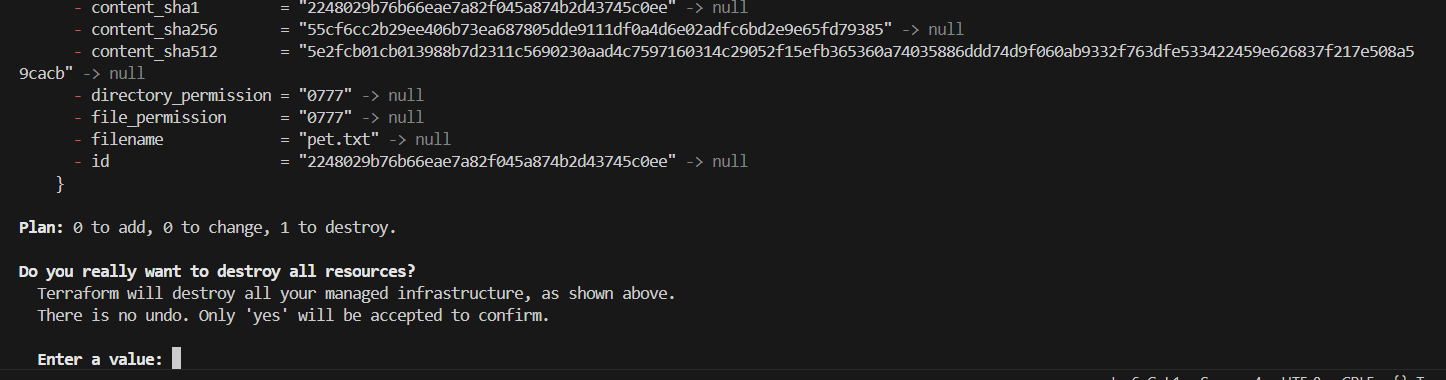
\* After apply the file , again try to apply , when this I haven’t done any changes .now the terraform will checks the file and it’s content , it gives as “no changes have done”



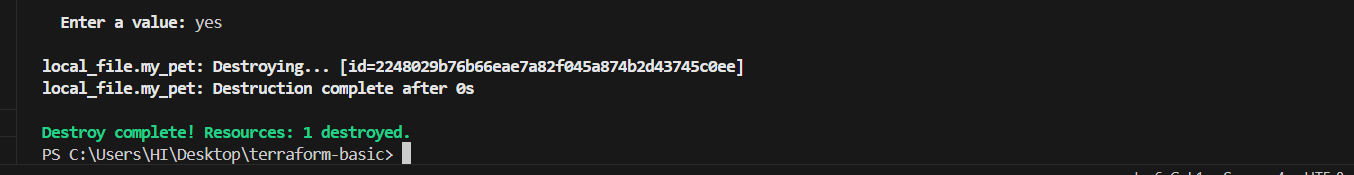
\* Now am deleting the file using “ terraform destroy”



\* while destroying it asks for permission, then am given yes for deleting the file



\* Now it’s destroyed and given a “**destroy id**”



\* Now am adding the another module as “**random”**

resource "local\_file" "my\_pet" {

    filename = "pet.txt"

    content = "i don't like pets!"

}

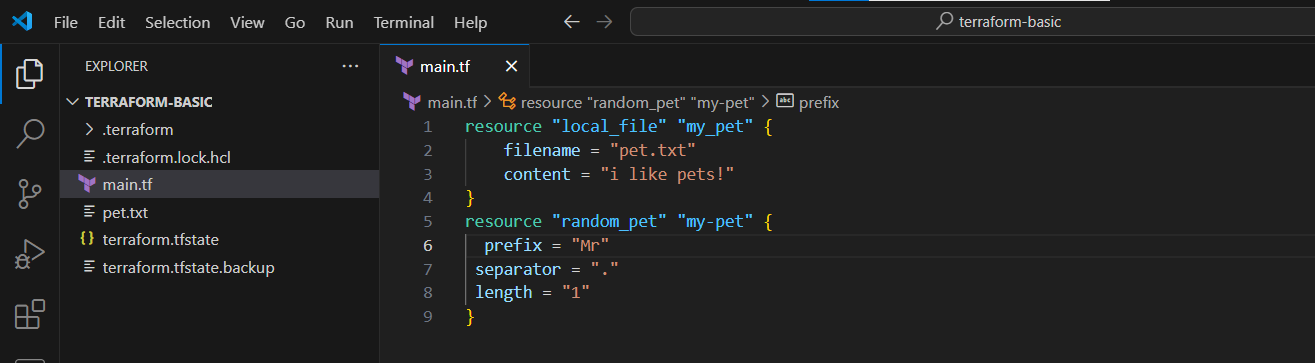
resource "random\_pet" "my-pet" {

  prefix = "Miss"

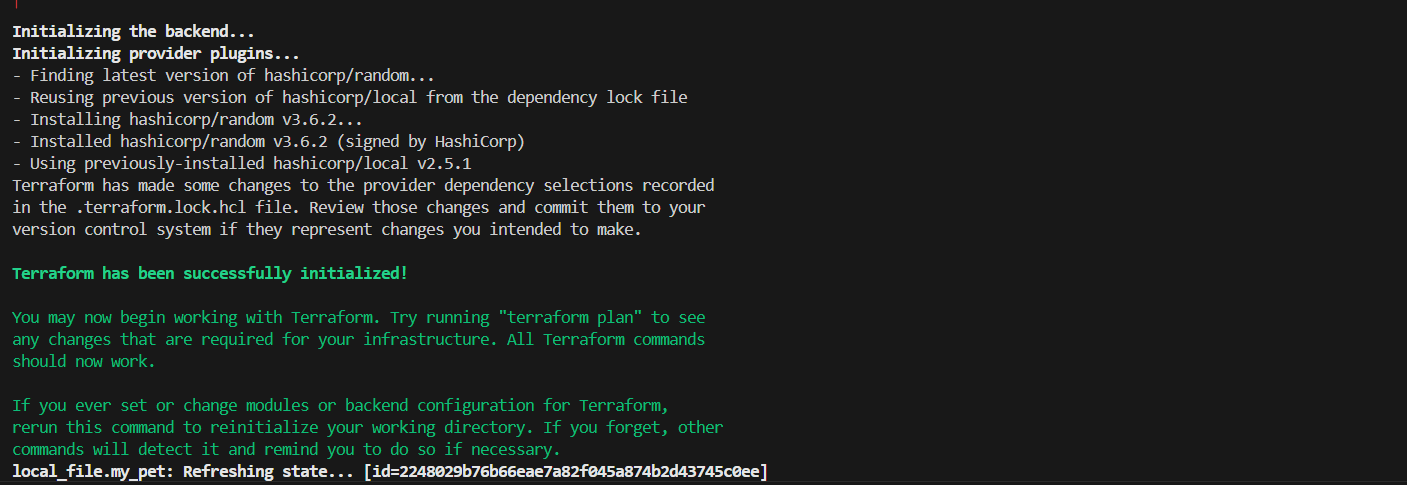
 separator = "."

 length = "1"

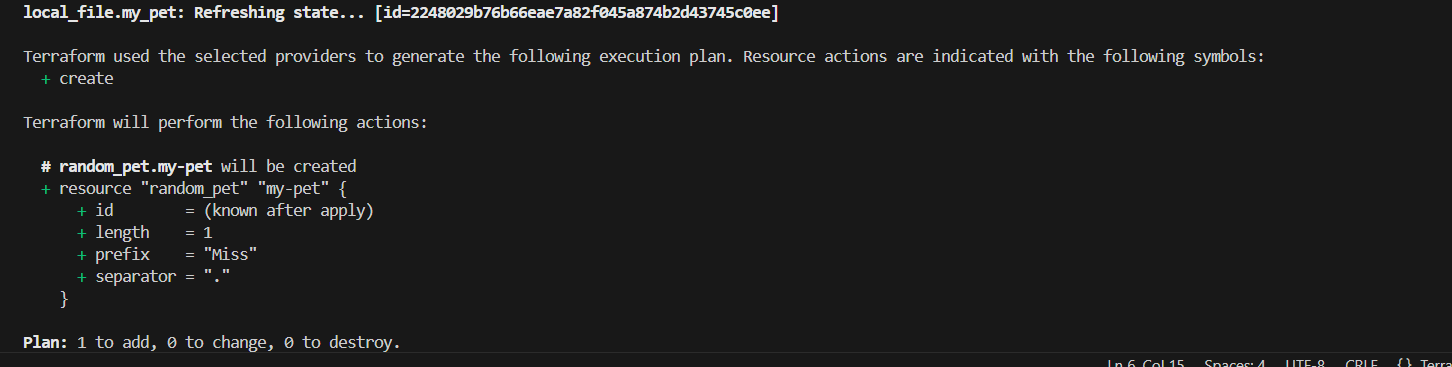
}



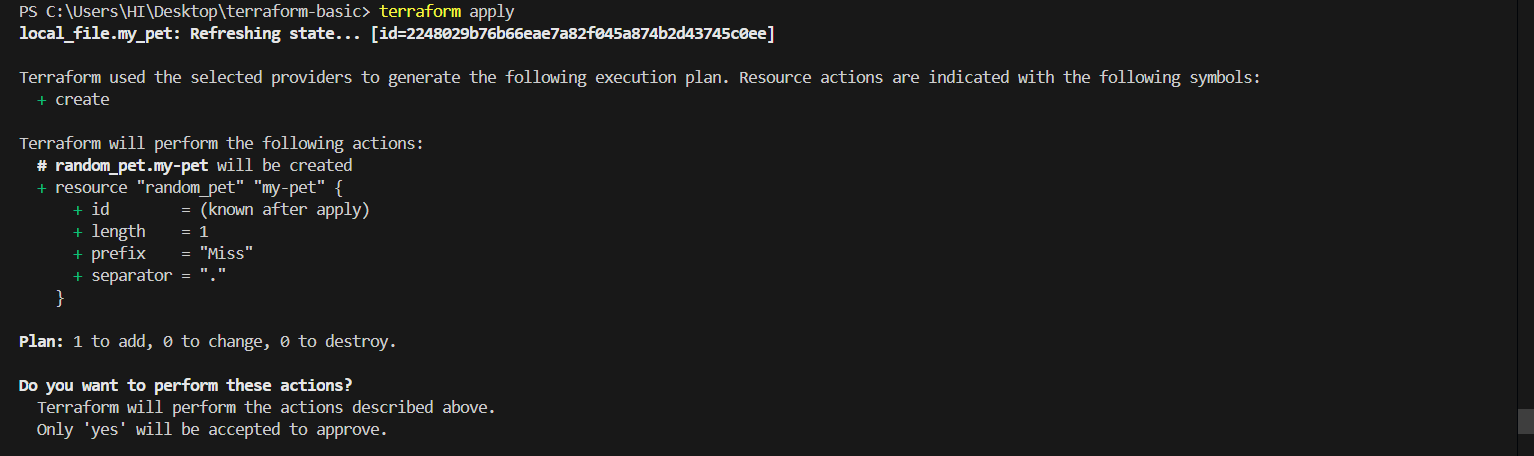
\* Now am initialising the terraform to install the random provider



\* Now add a plan

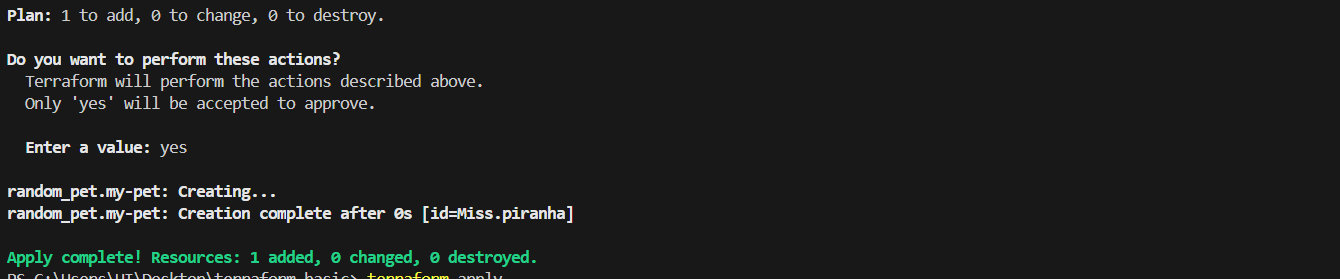


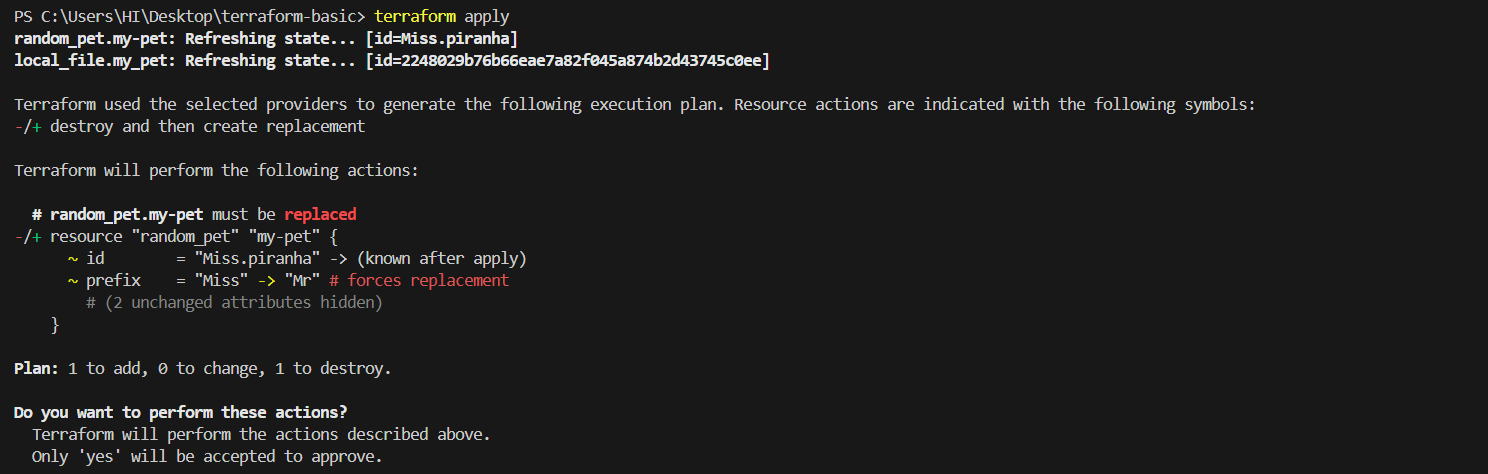
\* now Apply



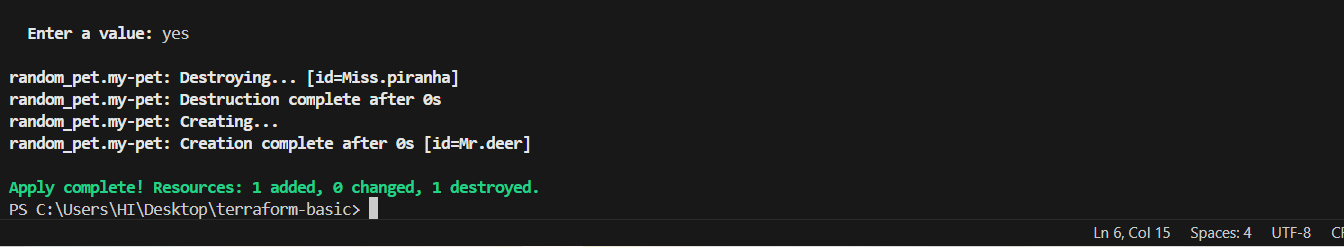
\* Now am changed the prefix from “**Miss**” to “**Mr**”

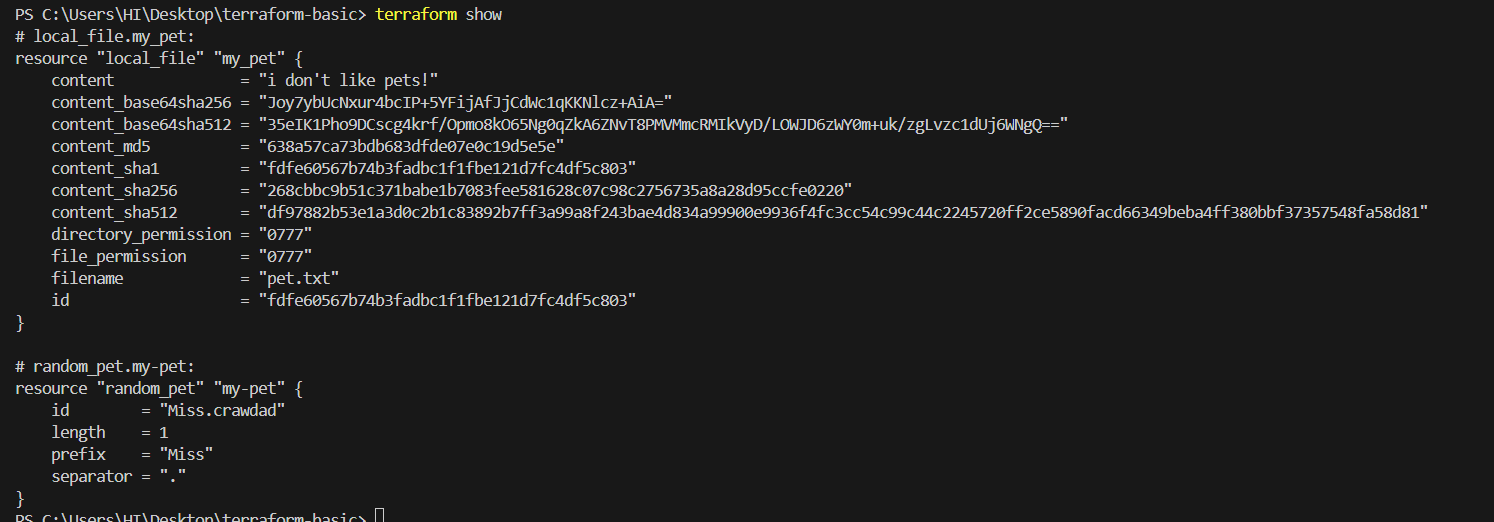
\* Then it will destroy the first content and added the new content





\* New prefix will created





1. **Integrate a sample Terraform template in jenkins.**