Group Member's Name:-

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First We did terraform init then, we did terraform apply for creating S3 Bucket.

```
abdulrehman@all-MS-7D35:~/Desktop/data_engineering_bootcamp_2303/tasks/5_data_pipelines/day_5_IaC/assignmet_5.1$ terraform apply

Terraform used the selected providers to generate the following execution plan.
Resource actions are indicated with the following symbols:
  + create

Terraform will perform the following actions:

  # aws_s3_bucket.example_bucket will be created
  + resource "aws_s3_bucket" "example_bucket" {
      + acceleration_status         = (known after apply)
      + acl                         = (known after apply)
      + arn                         = (known after apply)
      + bucket                      = "abdulrehman-bucket"
      + bucket_domain_name          = (known after apply)
      + bucket_prefix               = (known after apply)
      + bucket_regional_domain_name = (known after apply)
      + force_destroy               = true
      + hosted_zone_id              = (known after apply)
      + id                          = (known after apply)
      + object_lock_enabled         = (known after apply)
      + policy                      = (known after apply)
      + region                      = (known after apply)
      + request_payer               = (known after apply)
      + tags                        = {
          + "Name" = "Abdulrehman"
        }
      + tags_all                    = {
          + "Name" = "Abdulrehman"
        }
      + website_domain              = (known after apply)
      + website_endpoint            = (known after apply)
    }

Plan: 1 to add, 0 to change, 0 to destroy.

Do you want to perform these actions?
  Terraform will perform the actions described above.
  Only 'yes' will be accepted to approve.

  Enter a value: yes

aws_s3_bucket.example_bucket: Creating...
aws_s3_bucket.example_bucket: Creation complete after 7s [id=abdulrehman-bucket]
abdulrehman@all-MS-7D35:~/Desktop/data_engineering_bootcamp_2303/tasks/5_data_pipelines/day_5_IaC/assignmet_5.1$
```
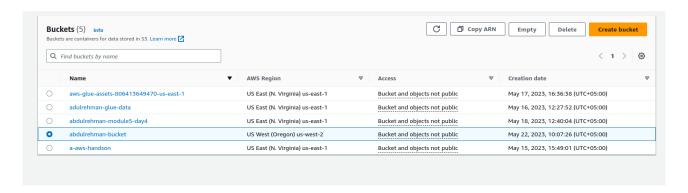
This is the Bucket which we created by terraform.

	Name	AWS Region	Access	Creation date
○	aws-glue-assets-806413649470-us-east-1	US East (N. Virginia) us-east-1	Bucket and objects not public	May 17, 2023, 16:36:38 (UTC+05:00)
○	adulrehman-glue-data	US East (N. Virginia) us-east-1	Bucket and objects not public	May 16, 2023, 12:27:52 (UTC+05:00)
○	abdulrehman-module5-day4	US East (N. Virginia) us-east-1	Bucket and objects not public	May 18, 2023, 12:40:04 (UTC+05:00)
●	abdulrehman-bucket	US West (Oregon) us-west-2	Bucket and objects not public	May 22, 2023, 10:07:26 (UTC+05:00)
○	a-aws-handson	US East (N. Virginia) us-east-1	Bucket and objects not public	May 15, 2023, 15:49:01 (UTC+05:00)

We created **S3_Bucket.tf** file here we set the **region**, and set **resource** what we want to create and set the bucket name.

S3_Bucket.tf

```
1 terraform {
2   required_providers {
3     aws = {
4       source  = "hashicorp/aws"
5       version = ">= 3.20.0"
6     }
7   }
8 }
9
10 provider "aws" {
11   region = "us-west-2"   # Replace with your desired AWS region
12 }
13
14 resource "aws_s3_bucket" "example_bucket" {
15   bucket = "abdulrehman-bucket"
16   force_destroy = true
17
18   tags = {
19     Name = "Abdulrehman"
20 }
21 }
22
23
24
25
```