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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/assignment_5.5b
+ bucket_domain_name      = (known after apply)
+ bucket_prefix           = (known after apply)
+ bucket_regional_domain_name = (known after apply)
+ force_destroy           = false
+ 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_all                = (known after apply)
+ website_domain          = (known after apply)
+ website_endpoint        = (known after apply)
}

# module.s3_data.aws_s3_object.folder will be created
+ resource "aws_s3_object" "folder" {
  + acl                = "private"
  + bucket              = (known after apply)
  + bucket_key_enabled = (known after apply)
  + content_type        = (known after apply)
  + etag               = (known after apply)
  + force_destroy       = false
  + id                 = (known after apply)
  + key                = "s3_data/day2/IaC/"
  + kms_key_id          = (known after apply)
  + server_side_encryption = (known after apply)
  + source              = "/dev/null"
  + storage_class        = (known after apply)
  + tags_all            = (known after apply)
  + version_id          = (known after apply)
}

Plan: 2 to add, 0 to change, 0 to destroy.

Changes to Outputs:
  + s3_bucket_id = (known after apply)

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

module.s3_data.aws_s3_bucket.s3_data: Creating...
module.s3_data.aws_s3_bucket.s3_data: Creation complete after 4s [id=abdul-rehman-bucket]
module.s3_data.aws_s3_object.folder: Creating...
module.s3_data.aws_s3_object.folder: Creation complete after 1s [id=s3_data/day2/IaC/]

Apply complete! Resources: 2 added, 0 changed, 0 destroyed.

Outputs:

abdulrehman@all-MS-7D35:~/Desktop/data_engineering_bootcamp_2303/tasks/5_data_pipelines/day_5_IaC/assignment_5.5b$
```

This is the Bucket which we created by terraform.

Account snapshot

Storage lens provides visibility into storage usage and activity trends. [Learn more](#)

View Storage Lens dashboard

Buckets (6) [Info](#)

Buckets are containers for data stored in S3. [Learn more](#)

Find buckets by name

< 1 > ⚙

	Name	AWS Region	Access	Creation date
<input type="radio"/>	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)
<input type="radio"/>	adulrehman-glue-data	US East (N. Virginia) us-east-1	Bucket and objects not public	May 16, 2023, 12:27:52 (UTC+05:00)
<input type="radio"/>	abdulehman-module5-day4	US East (N. Virginia) us-east-1	Bucket and objects not public	May 18, 2023, 12:40:04 (UTC+05:00)
<input type="radio"/>	abdulehman-bucket	US West (Oregon) us-west-2	Bucket and objects not public	May 22, 2023, 10:07:26 (UTC+05:00)
<input checked="" type="radio"/>	abdul-rehman-bucket	US East (N. Virginia) us-east-1	Bucket and objects not public	May 22, 2023, 10:22:25 (UTC+05:00)
<input type="radio"/>	a-aws-handson	US East (N. Virginia) us-east-1	Bucket and objects not public	May 15, 2023, 15:49:01 (UTC+05:00)

This is the file which we created in **Bucket**.

abdul-rehman-bucket [Info](#)

Objects

Properties

Permissions

Metrics

Management

Access Points

Objects (1)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 Inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

Refresh

Copy S3 URI

Copy URL

Download

Open

Delete

Actions

Create folder

Upload

Find objects by prefix

< 1 > ⚙

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	s3_data/	Folder	-	-	-

s3_data/

Copy S3 URI

Objects

Properties

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< 1 > ⚙

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	day2/	Folder	-	-	-

day2/

Copy S3 URI

Objects

Properties

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Find objects by prefix

< 1 > ⚙

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	laC/	Folder	-	-	-

After creating the Bucket we destroy the Bucket by using **terraform destroy** command.

```
Do you really want to destroy all resources?  
Terraform will destroy all your managed infrastructure, as shown above.  
There is no undo. Only 'yes' will be accepted to confirm.  
  
Enter a value: yes  
  
module.s3_data.aws_s3_object.folder: Destroying... [id=s3_data/day2/IaC/]  
module.s3_data.aws_s3_object.folder: Destruction complete after 0s  
module.s3_data.aws_s3_bucket.s3_data: Destroying... [id=abdul-rehman-bucket]  
module.s3_data.aws_s3_bucket.s3_data: Destruction complete after 1s  
  
Destroy complete! Resources: 2 destroyed.  
abdulrehman@all-MS-7D35:~/Desktop/data_engineering_bootcamp_2303/tasks/5_data_pipelines/day_5_IaC/assignment_5.5b$
```