**Name: - Muhammad Huzaifa Waseem (2303-KHI-DEG-021)**

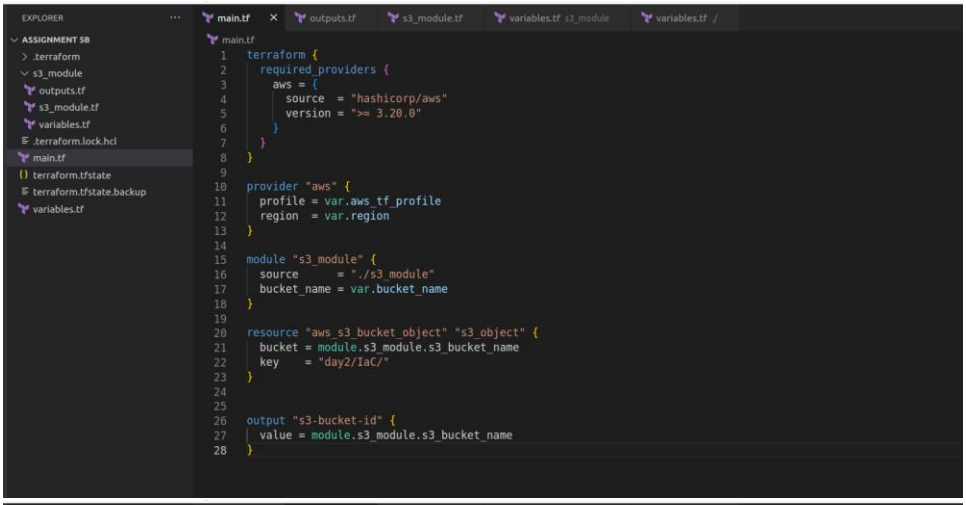
**Pair Partner 1: - Muhammad Faizan Rafique (2303.005.KHI.DEG)**

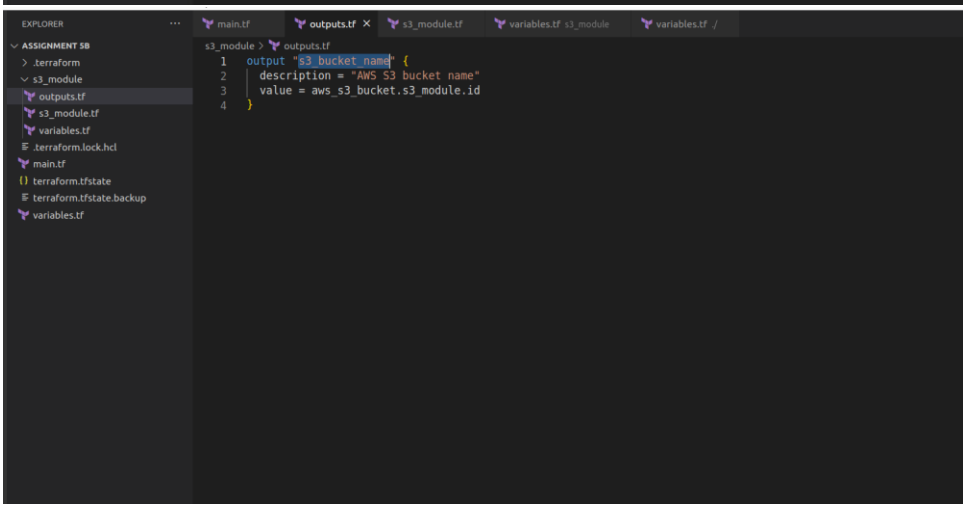
**Pair Partner 2: - Syed Muhammad Hammad Irshad(2303.KHI.DEG.032)**

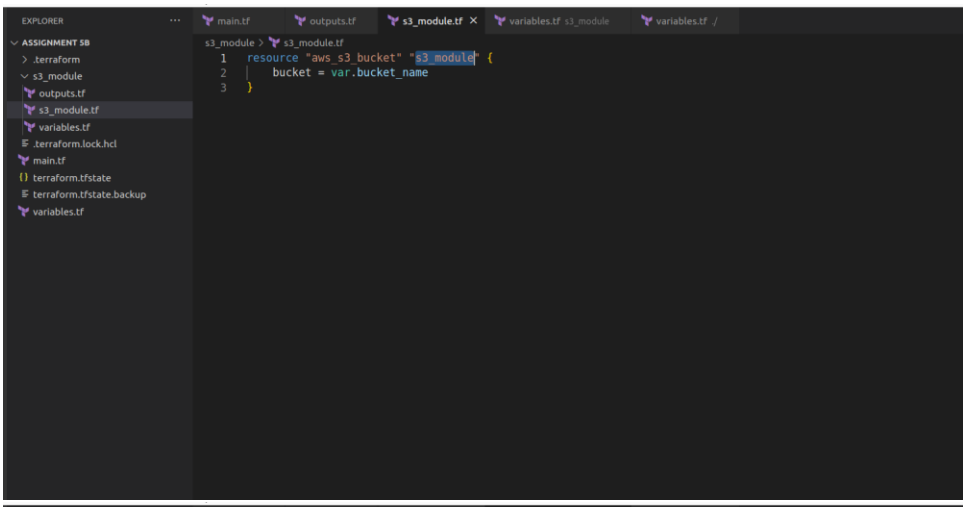
**UNIT 5.5 b:**

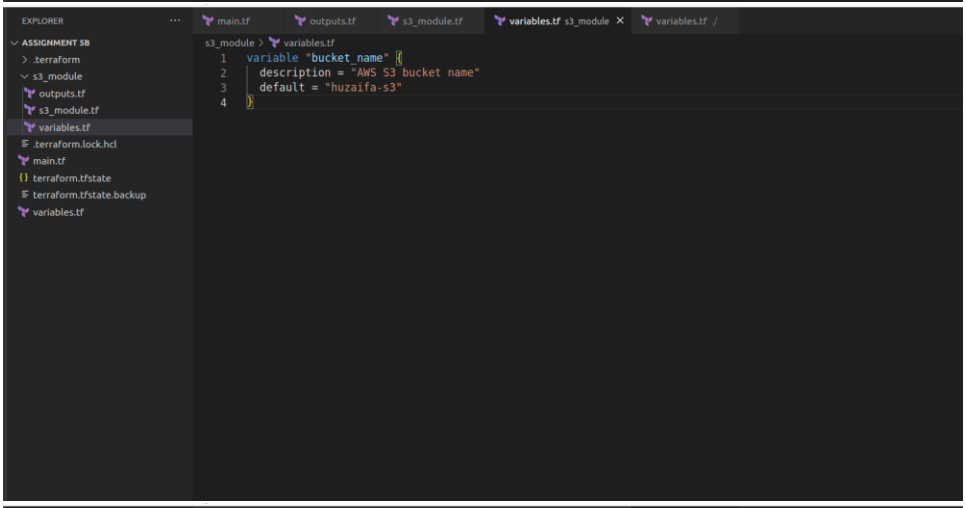
# Assignment

Make a module of yesterday's task, name it "s3_module". Pass bucket name to the module using variable "bucket_name". Use the returned "s3_bucket" variable to add "day2/IaC/" directory to this bucket in the main module.




EXPLORER
ASSIGNMENT 5B
.terraform
s3_module
outputs.tf
s3_module.tf
variables.tf
.terraform.lock.hcl
main.tf
terraform.tfstate
terraform.tfstate.backup
variables.tf
main.tf
outputs.tf
s3_module.tf
variables.tf s3_module
variables.tf ./
s3_module > s3_module.tf
1 resource "aws_s3_bucket" "s3_module" {
2 bucket = var.bucket_name
3 }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s3_module.tf
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main.tf
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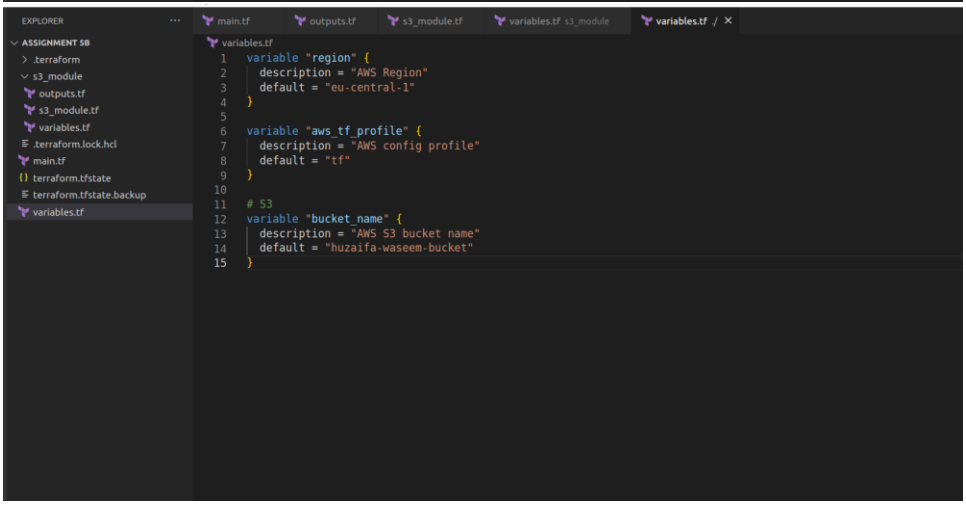
terraform.tfstate.backup
variables.tf
main.tf
outputs.tf
s3_module.tf
variables.tf s3_module
variables.tf ./
s3_module > variables.tf
1 variable "bucket_name" {
2 description = "AWS S3 bucket name"
3 default = "huzaifa-s3"
4 }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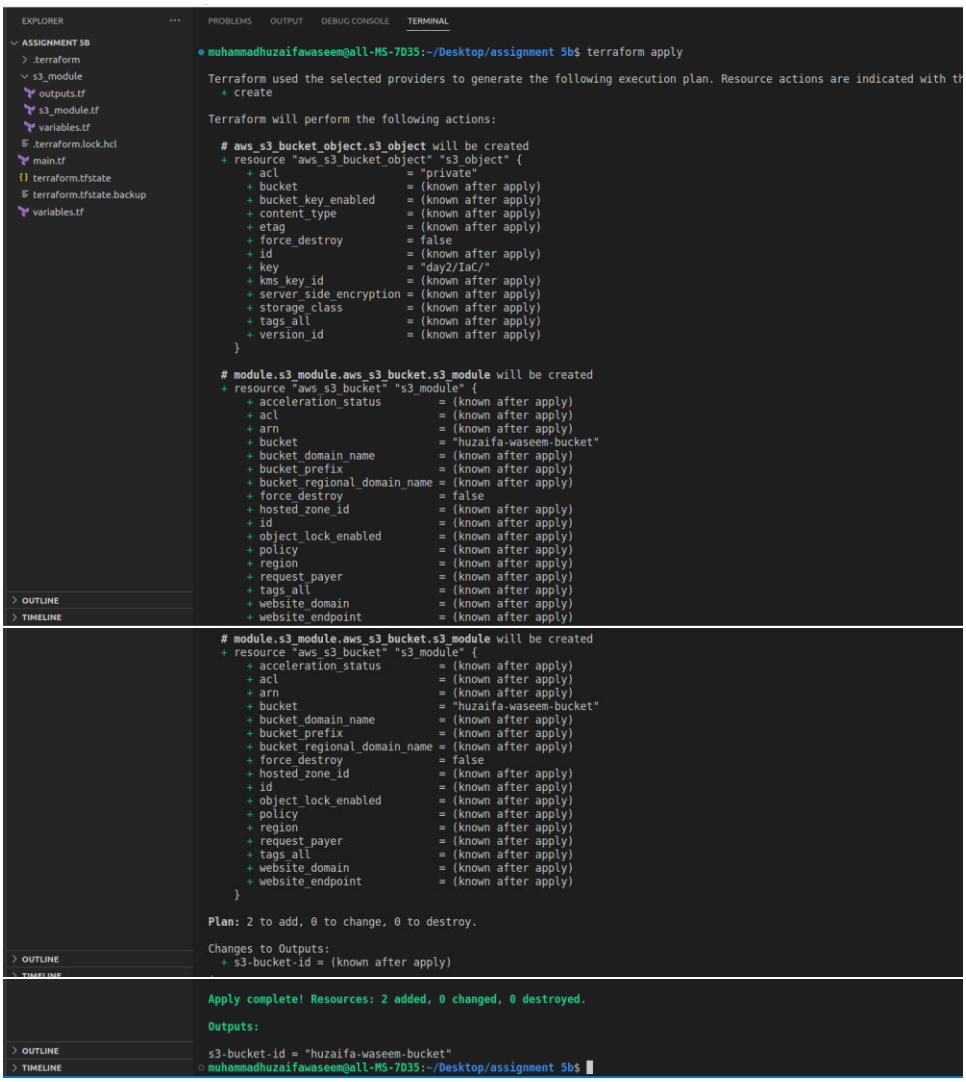
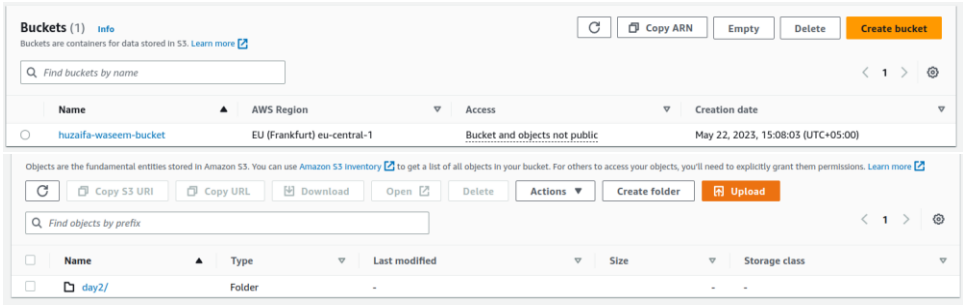
terraform.tfstate
terraform.tfstate.backup
variables.tf
main.tf
outputs.tf
s3_module.tf
variables.tf s3_module
variables.tf ./
variables.tf
1 variable "region" {
2 description = "AWS Region"
3 default = "eu-central-1"
4 }
5
6 variable "aws_tf_profile" {
7 description = "AWS config profile"
8 default = "tf"
9 }
10
11 # S3
12 variable "bucket_name" {
13 description = "AWS S3 bucket name"
14 default = "huzaifa-waseem-bucket"
15 }


EXPLORER
ASSIGNMENT 5B
.terraform
s3_module
outputs.tf
s3_module.tf
variables.tf
.terraform.lock.hcl
main.tf
terraform.tfstate
terraform.tfstate.backup
variables.tf
OUTLINE
TIMELINE
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
muhammadhuzaifawaseem@all-MS-7D35:~/Desktop/assignment 5b$ terraform apply
Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with th
+ create
Terraform will perform the following actions:
# aws_s3_bucket_object.s3_object will be created
+ resource "aws_s3_bucket_object" "s3_object" {
+ 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 = "day2/IaC/"
+ kms_key_id = (known after apply)
+ server_side_encryption = (known after apply)
+ storage_class = (known after apply)
+ tags_all = (known after apply)
+ version_id = (known after apply)
}
# module.s3_module.aws_s3_bucket.s3_module will be created
+ resource "aws_s3_bucket" "s3_module" {
+ acceleration_status = (known after apply)
+ acl = (known after apply)
+ arn = (known after apply)
+ bucket = "huzaifa-waseem-bucket"
+ 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_module.aws_s3_bucket.s3_module will be created
+ resource "aws_s3_bucket" "s3_module" {
+ acceleration_status = (known after apply)
+ acl = (known after apply)
+ arn = (known after apply)
+ bucket = "huzaifa-waseem-bucket"
+ 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)
}
Plan: 2 to add, 0 to change, 0 to destroy.
Changes to Outputs:
+ s3-bucket-id = (known after apply)
Apply complete! Resources: 2 added, 0 changed, 0 destroyed.
Outputs:
s3-bucket-id = "huzaifa-waseem-bucket"
muhammadhuzaifawaseem@all-MS-7D35:~/Desktop/assignment 5b$

## Output


Buckets (1) Info
Buckets are containers for data stored in S3. Learn more
Copy ARN
Empty
Delete
Create bucket
Find buckets by name
Name
AWS Region
Access
Creation date
huzaifa-waseem-bucket
EU (Frankfurt) eu-central-1
Bucket and objects not public
May 22, 2023, 15:08:03 (UTC+05:00)
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
Copy S3 URI
Copy URL
Download
Open
Delete
Actions
Create folder
Upload
Find objects by prefix
Name
Type
Last modified
Size
Storage class
day2/
Folder