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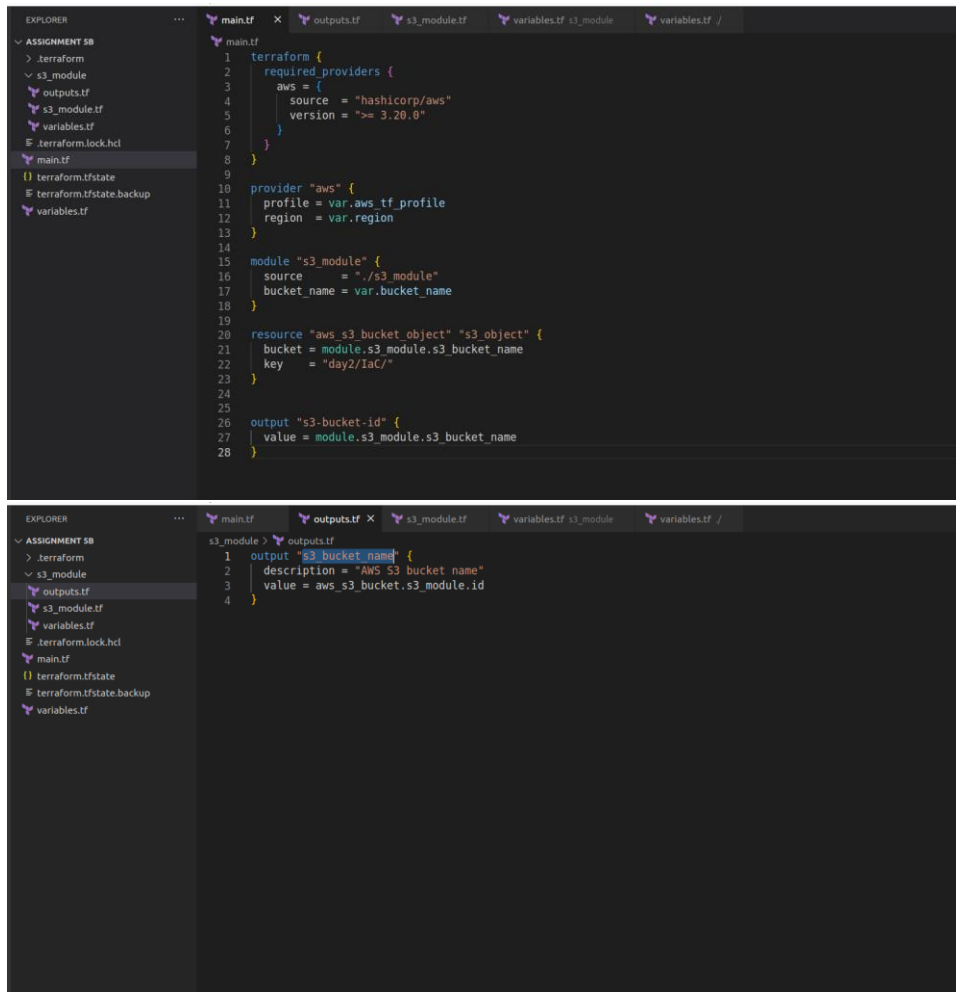
Pair Partner 1: - Muhammad Faizan Rafique (2303.005.KHI.DEG)

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/laC/" directory to this bucket in the main module.



The image displays two screenshots of a Terraform IDE interface, showing the implementation of an s3_module and its integration into a main module.

Top Screenshot (main.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   profile = var.aws_tf_profile
12   region = var.region
13 }
14
15 module "s3_module" {
16   source      = "../s3_module"
17   bucket_name = var.bucket_name
18 }
19
20 resource "aws_s3_bucket_object" "s3 object" {
21   bucket = module.s3_module.s3_bucket_name
22   key    = "day2/laC/"
23 }
24
25
26 output "s3-bucket-id" {
27   value = module.s3_module.s3_bucket_name
28 }
```

Bottom Screenshot (s3_module/outputs.tf):

```
1 output "s3_bucket_name" {
2   description = "AWS S3 bucket name"
3   value       = aws_s3_bucket.s3_module.id
4 }
```

The Explorer pane on the left shows the project structure, including terraform, s3_module, outputs.tf, s3_module.tf, variables.tf, and terraform.lock.hcl.

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

s3_module > s3_module.tf

```
1 resource "aws_s3_bucket" "s3_module" {
2   bucket = var.bucket_name
3 }
```

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

s3_module > variables.tf

```
1 variable "bucket_name" {
2   description = "AWS S3 bucket name"
3   default = "huzaifa-s3"
4 }
```

EXPLORER

- ASSIGNMENT 5B
 - terraform
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 - variables.tf

main.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 }
```

