

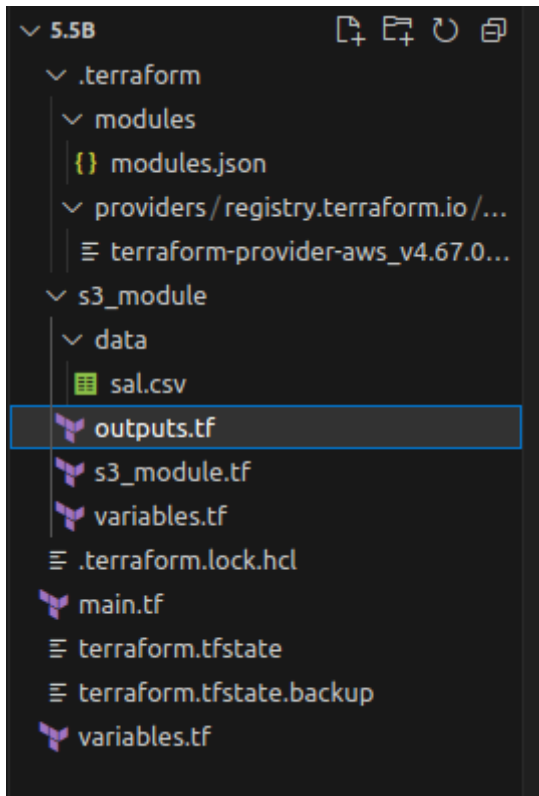
## ASSIGNMENT 5.5b

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### 1) folder structure



### 2) 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 output "s3_bucket_id" {
21   value = module.s3_module.s3_bucket_name
22 }
23
```

3) in variable.tf define the variables

```
variables.tf
1  variable "region" {
2      description = "AWS Region"
3      default = "us-east-1"
4  }
5
6
7  # S3
8  variable "bucket_name" {
9      description = "AWS S3 bucket name"
10     default = "huzaifa-ali-bucket"
11 }
```

4) making s3 bucket resource and empty directory

```
s3_module.tf
1  resource "aws_s3_bucket" "s3_module" {
2      bucket = var.bucket_name
3  }
4
5  resource "aws_s3_object" "folder" {
6      bucket = "${aws_s3_bucket.s3_module.id}"
7      key    = "/day2/IaC/"
8      source = "/dev/null"
9  }
```

5) output.tf

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

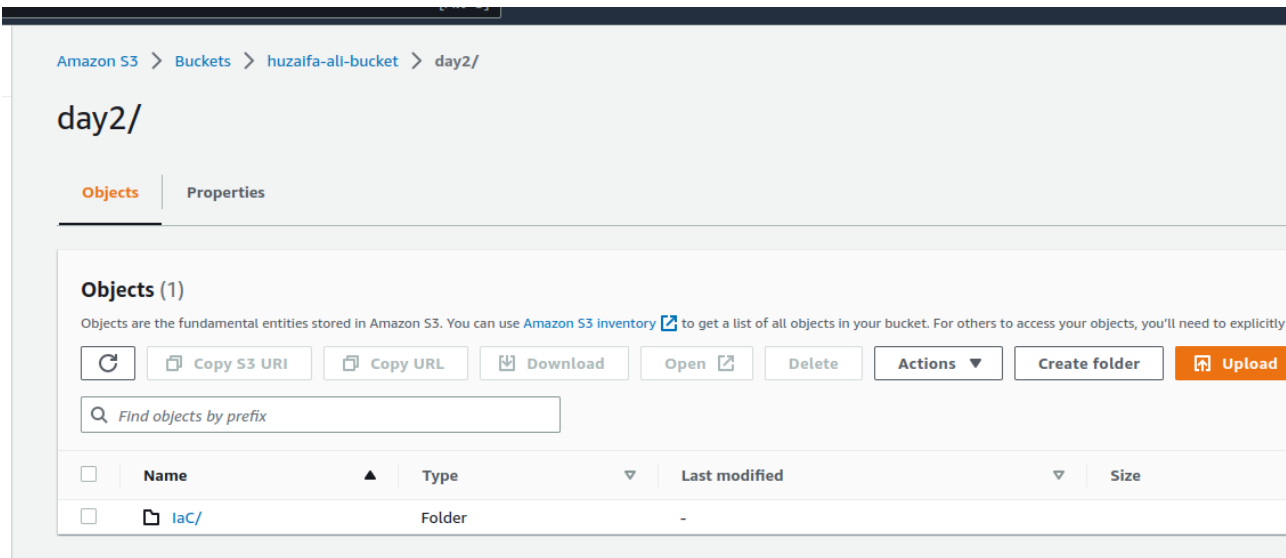
6) terraform apply

```
Enter a value: yes
module.s3_module.aws_s3_bucket.s3_module: Creating...
module.s3_module.aws_s3_bucket.s3_module: Creation complete after 5s [id=huzaifa-ali-bucket]
module.s3_module.aws_s3_object.folder: Creating...
module.s3_module.aws_s3_object.folder: Creation complete after 0s [id=/day2/IaC/]

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

Outputs:
s3_bucket_id = "huzaifa-ali-bucket"
```

## 9) display in amazon



## 8) terraform destroying

```
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_module.aws_s3_object.folder: Destroying... [id=/day2/IaC/]
module.s3_module.aws_s3_object.folder: Destruction complete after 1s
module.s3_module.aws_s3_bucket.s3_module: Destroying... [id=huzaiifa-ali-bucket]
module.s3_module.aws_s3_bucket.s3_module: Destruction complete after 1s

Destroy complete! Resources: 2 destroyed.
(base) huziafaali@all-MS-7D35:~/Downloads/sabih/5.5b$
```