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## UNIT 5.5 a:

## **Assignment**

Prepare a simple configuration to create an AWS S3 bucket with id set to "name-surname-bucket", and output this id to a screen.

```
exercise4 > 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     }
16
17
```

Provide commands to create and erase this resource.

```
Initializing the backend...
Initializing provider plugins...
- Reusing previous version of hashicorp/aws from the dependency lock file
- Using previously-installed hashicorp/aws v4.67.0
If you ever set or change modules or backend configuration for Terraform, rerun this command to reinitialize your working directory. If you forget, other commands will detect it and remind you to do so if necessary.

• muhammadhuzaifawaseem@all-MS-7D35:-/Desktop/day_5_IaC/exercise4$ terraform apply
 BLEMS 9 OUTPUT DEBUG CONSOLE TERMINAL
   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.
aws_s3_bucket.s3_data: Creating...
aws_s3_bucket.s3_data: Creation complete after 4s [id=huzaifa-waseem-bucket]
Outputs:
s3-bucket-id = "huzaifa-waseem-bucket"
muhammadhuzaifawaseem@all-MS-7D35:~/Desktop/day_5_IaC/exercise4$ []
```

```
muhammadhuzaifawaseem@all-MS-7035:~/Desktop/day_5_IaC/exercise4$ terraform destroy aws_s3_bucket.s3_data: Refreshing state... [id=huzaifa-waseem-bucket]
Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the following symbols:
  server_side_encryption_configuration {
    rule {
        bucket_key_enabled = false -> null
                   apply_server_side_encryption_by_default {
    - sse_algorithm = "AES256" -> null
         - "FULL_CONTROL",
] -> null
- type = "CanonicalUser" -> null
         server_side_encryption_configuration {
    rule {
         bucket_key_enabled = false -> null
                   apply_server_side_encryption_by_default {
    - sse_algorithm = "AES256" -> null
         versioning {
  - enabled = false -> null
  - mfa_delete = false -> null
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.
aws_s3_bucket.s3_data: Destroying... [id=huzaifa-waseem-bucket]
aws_s3_bucket.s3_data: Destruction complete after 1s
Destroy complete! Resources: 1 destroyed.
muhammadhuzaifawaseem@all-MS-7D35:~/Desktop/day_5_IaC/exercise4$
```

## output:

