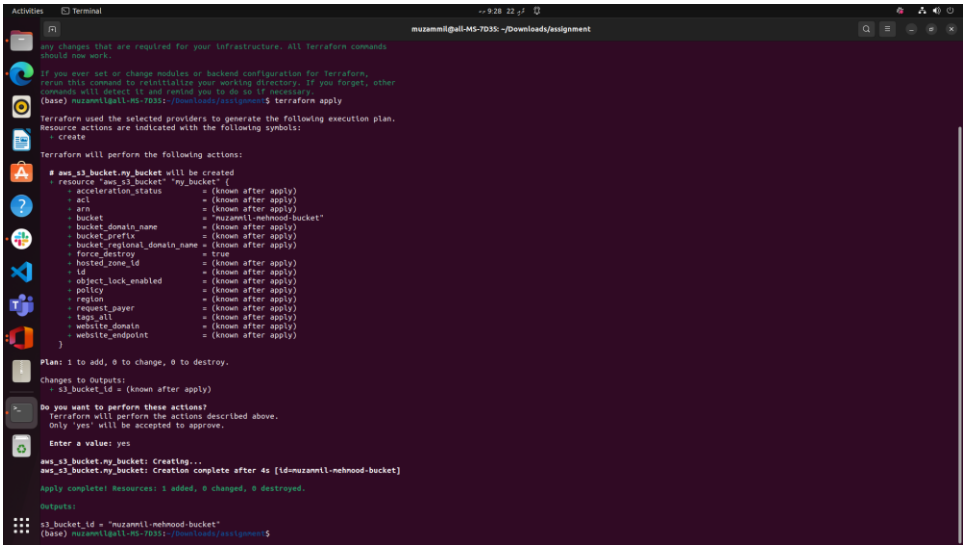
Prepare a simple configuration to create an AWS S3 bucket with id set to "name-surname-bucket", and output this id to a screen.

Provide commands to create and erase this resource.

Initalizing the terraform in assignment directory

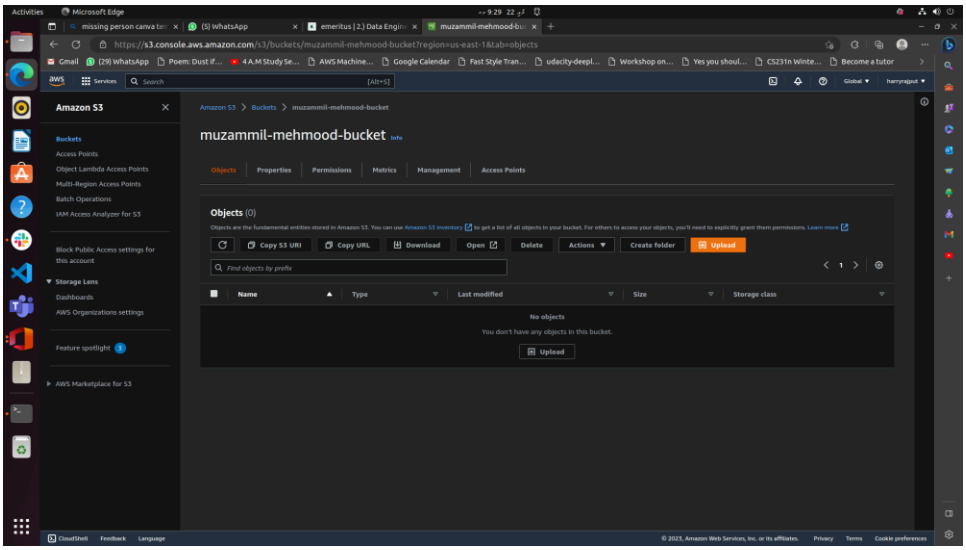
```
(base) muzammil@all-MS-7D35:~/Downloads/assignment$ terraform init

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

Terraform has been successfully initialized!

You may now begin working with Terraform. Try running "terraform plan" to see
any changes that are required for your infrastructure. All Terraform commands
should now work.

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.
(base) muzammil@all-MS-7D35:~/Downloads/assignment$
```

Command to create resource and output the id of s3 bucket to the terminal

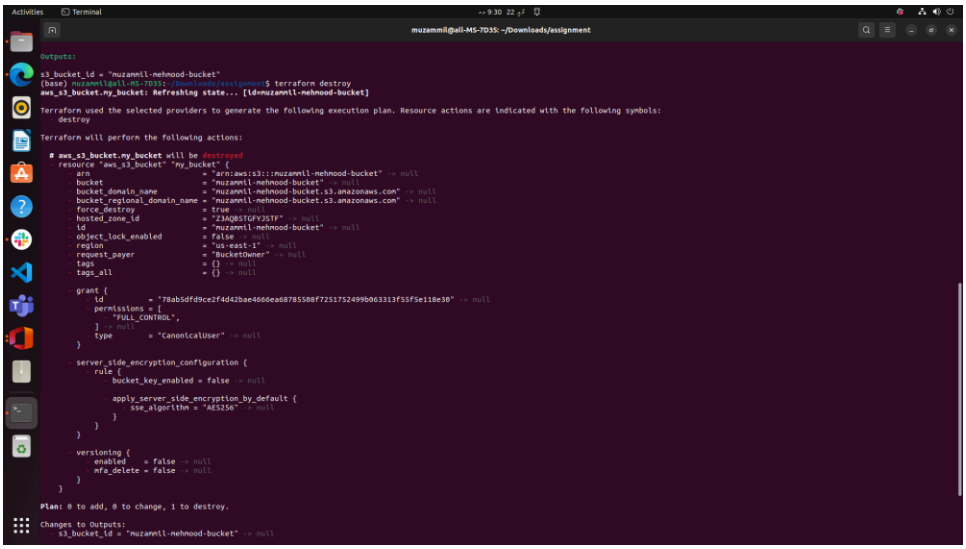


```
Plan: 1 to add, 0 to change, 0 to destroy.

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

aws_s3_bucket.my_bucket: Creating...
aws_s3_bucket.my_bucket: Creation complete after 4s [id=muzammil-mehmood-bucket

Apply complete! Resources: 1 added, 0 changed, 0 destroyed.

Outputs:

s3_bucket_id = "muzammil-mehmood-bucket"
(base) muzammil@all-MS-7D35:~/Downloads/assignment$
```

This terraforms file created this bucket



Command to destroy the resources


Activities
Terminal
muzammil@all-MS-7D35: ~/Downloads/assignment
Outputs:
s3_bucket_id = "muzammil-nehmood-bucket"
(base) muzammil@all-MS-7D35:~/Downloads/assignment$ terraform destroy
aws_s3_bucket.my_bucket: Refreshing state... [id=muzammil-nehmood-bucket]
Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the following symbols:
- destroy
Terraform will perform the following actions:
# aws_s3_bucket.my_bucket will be destroyed
- resource "aws_s3_bucket" "my_bucket" {
- arn = "arn:aws:s3:::muzammil-nehmood-bucket" -> null
- bucket = "muzammil-nehmood-bucket" -> null
- bucket_domain_name = "muzammil-nehmood-bucket.s3.amazonaws.com" -> null
- bucket_regional_domain_name = "muzammil-nehmood-bucket.s3.amazonaws.com" -> null
- force_destroy = true -> null
- hosted_zone_id = "Z3AQBSTGFYJSTF" -> null
- id = "muzammil-nehmood-bucket" -> null
- object_lock_enabled = false -> null
- region = "us-east-1" -> null
- request_payer = "BucketOwner" -> null
- tags = {} -> null
- tags_all = {} -> null
- grant {
- id = "78ab5dfd9ce2f4d42bae4666dea6878588f7251752499b063313f55f5e118e30" -> null
- permissions = [
- "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
}
}
Plan: 0 to add, 0 to change, 1 to destroy.
Changes to Outputs:
- s3_bucket_id = "muzammil-nehmood-bucket" -> null