School of Computer Science

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

DEHRADUN, UTTARAKHAND

System Monitoring and Configuration Management

Lab File

(2024)

for

6th Semester

Submitted To:

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[6h Semester]
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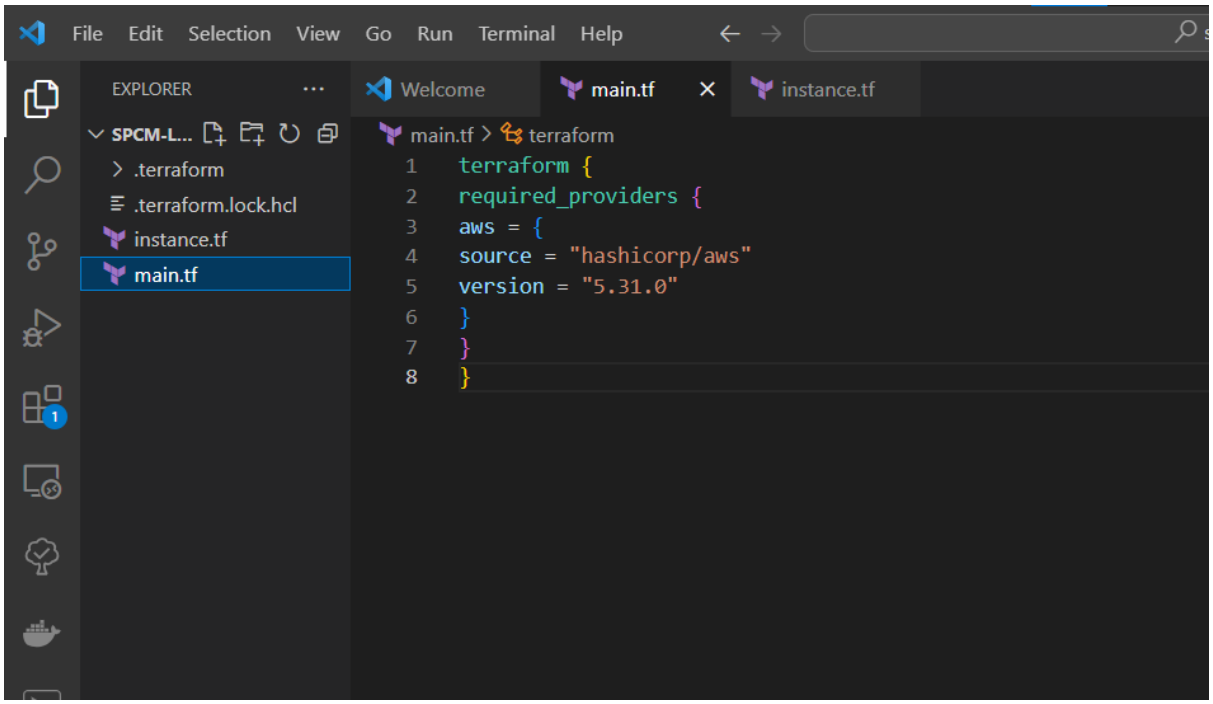
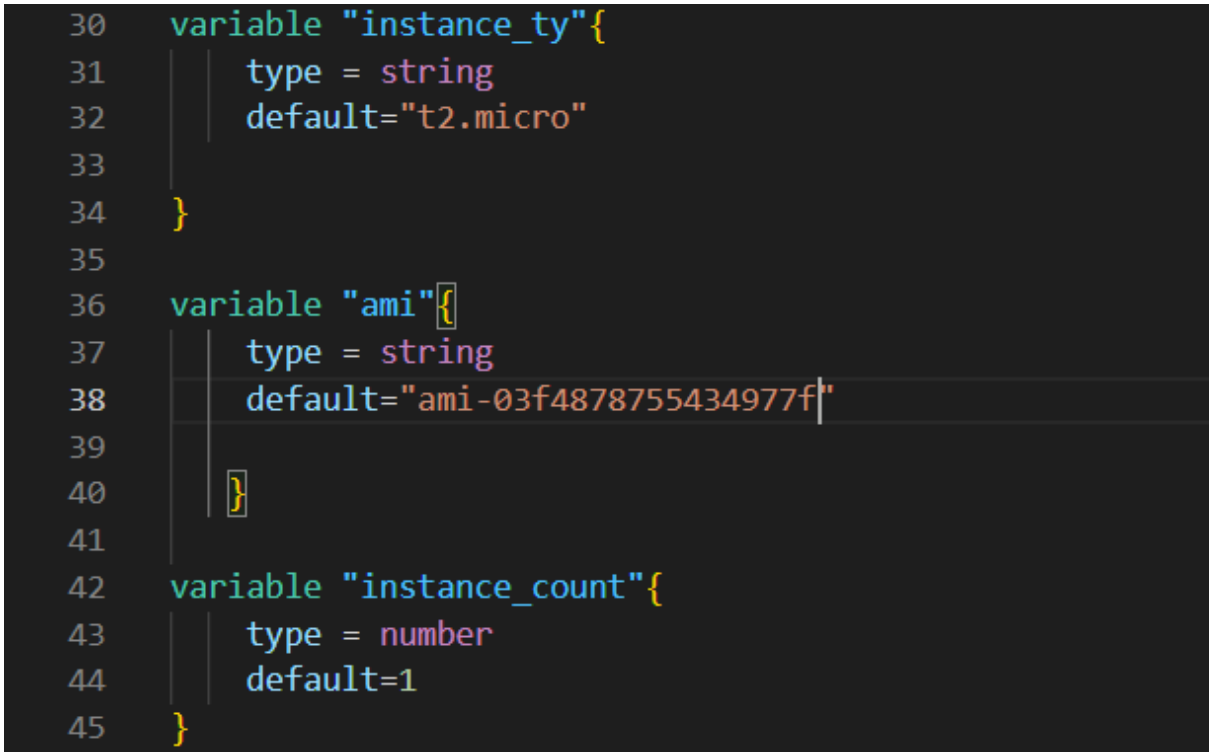
LAB EXERCISE 4

Aim: Terraform Variables

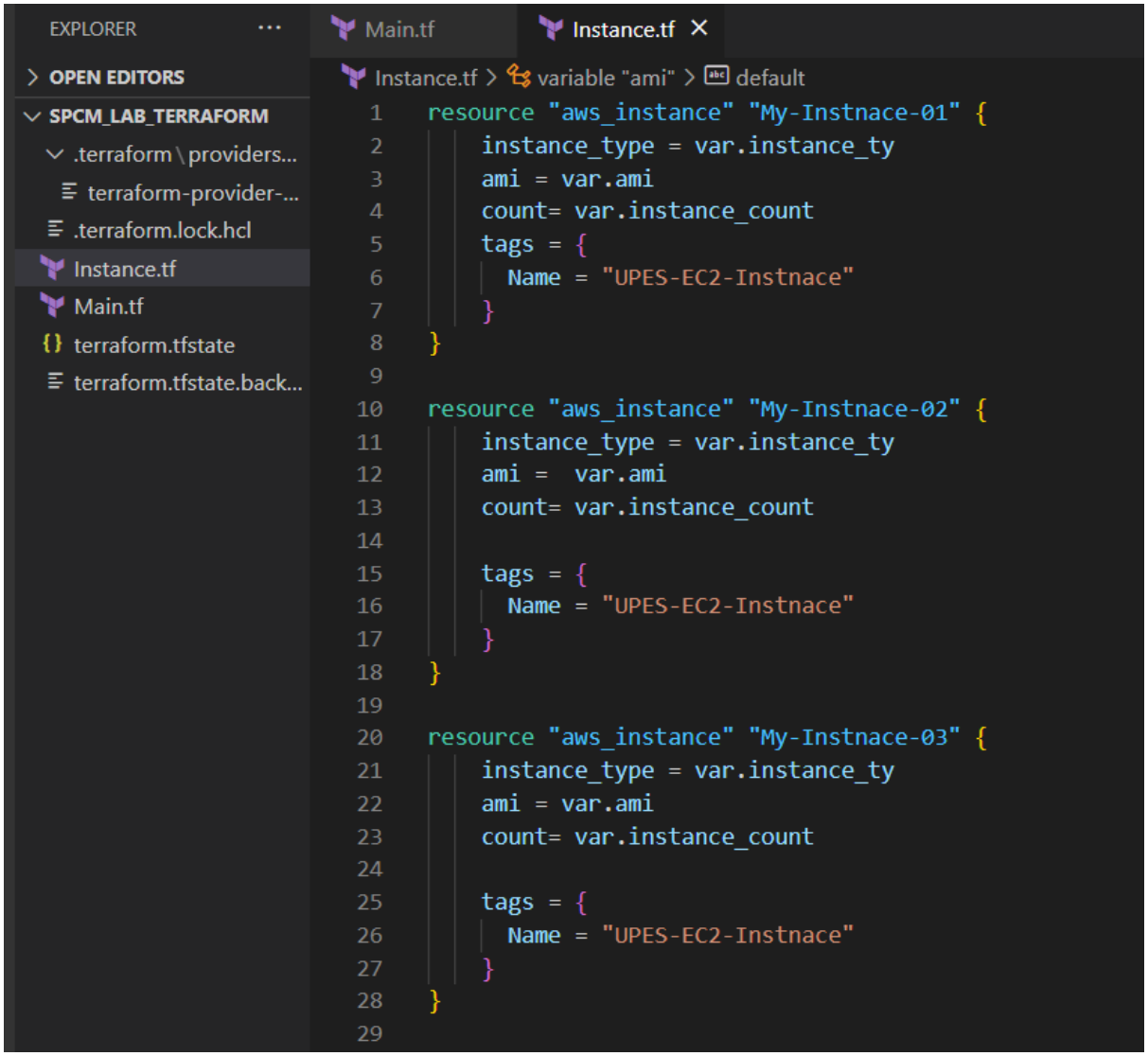
Step 1: Create a Terraform Configuration File:



Step 2: Define Variables:



Step 3: Use Variables in instance.tf file:



Step 4: Now do terraform initialize:

```
Microsoft Windows [Version 10.0.22621.3007]
(c) Microsoft Corporation. All rights reserved.

F:\SEM 6\SPCM_LAB\SPCM_LAB_TERRAFORM>terraform validate
Success! The configuration is valid.
```

Step 5: Now perform Terraform plan:

```
F:\SEM 6\SPCM_LAB\SPCM_LAB_TERRAFORM>terraform plan
Acquiring state lock. This may take a few moments...

Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the
following symbols:
  + create

Terraform will perform the following actions:

  # aws_instance.My-Instnace-01[0] will be created
  + resource "aws_instance" "My-Instnace-01" {
      + ami                                  = "ami-03f4878755434977f"
      + arn                                  = (known after apply)
      + associate_public_ip_address          = (known after apply)
      + availability_zone                    = (known after apply)
      + cpu_core_count                       = (known after apply)
      + cpu_threads_per_core                 = (known after apply)
      + disable_api_stop                     = (known after apply)
      + disable_api_termination              = (known after apply)
      + ebs_optimized                        = (known after apply)
      + get_password_data                    = false
      + host_id                              = (known after apply)
      + host_resource_group_arn              = (known after apply)
      + iam_instance_profile                 = (known after apply)
      + id                                   = (known after apply)
      + instance_initiated_shutdown_behavior = (known after apply)
      + instance_lifecycle                   = (known after apply)
      + instance_state                       = (known after apply)
      + instance_type                        = "t2.micro"
      + ipv6_address_count                   = (known after apply)
      + ipv6_addresses                       = (known after apply)
      + key_name                             = (known after apply)
      + monitoring                           = (known after apply)
      + outpost_arn                          = (known after apply)
      + password_data                        = (known after apply)
      + placement_group                      = (known after apply)
      + placement_partition_number           = (known after apply)
      + primary_network_interface_id         = (known after apply)
      + private_dns                          = (known after apply)
      + private_ip                           = (known after apply)
      + public_dns                           = (known after apply)
      + public_ip                            = (known after apply)
      + secondary_private_ips                = (known after apply)
      + security_groups                      = (known after apply)
      + source_dest_check                    = true
      + spot_instance_request_id             = (known after apply)
      + subnet_id                            = (known after apply)
      + tags                                 = {
          + "Name" = "UPES-EC2-Instnace"
        }
      + tags_all                             = {
          + "Name" = "UPES-EC2-Instnace"
        }
      + tenancy                              = (known after apply)
      + user_data                            = (known after apply)
```

```
        }
      + tenancy                                  = (known after apply)
      + user_data                                = (known after apply)
      + user_data_base64                         = (known after apply)
      + user_data_replace_on_change              = false
      + vpc_security_group_ids                   = (known after apply)
    }

  # aws_instance.My-Instnace-02[0] will be created
  + resource "aws_instance" "My-Instnace-02" {
      + ami                                  = "ami-03f4878755434977f"
      + arn                                  = (known after apply)
      + associate_public_ip_address          = (known after apply)
      + availability_zone                    = (known after apply)
      + cpu_core_count                       = (known after apply)
      + cpu_threads_per_core                 = (known after apply)
      + disable_api_stop                     = (known after apply)
      + disable_api_termination              = (known after apply)
      + ebs_optimized                        = (known after apply)
      + get_password_data                    = false
      + host_id                              = (known after apply)
      + host_resource_group_arn              = (known after apply)
      + iam_instance_profile                 = (known after apply)
      + id                                   = (known after apply)
      + instance_initiated_shutdown_behavior = (known after apply)
      + instance_lifecycle                   = (known after apply)
      + instance_state                       = (known after apply)
      + instance_type                        = "t2.micro"
      + ipv6_address_count                   = (known after apply)
      + ipv6_addresses                       = (known after apply)
      + key_name                             = (known after apply)
      + monitoring                           = (known after apply)
      + outpost_arn                          = (known after apply)
      + password_data                        = (known after apply)
      + placement_group                      = (known after apply)
      + placement_partition_number           = (known after apply)
      + primary_network_interface_id         = (known after apply)
      + private_dns                          = (known after apply)
      + private_ip                           = (known after apply)
      + public_dns                           = (known after apply)
      + public_ip                            = (known after apply)
      + secondary_private_ips                = (known after apply)
      + security_groups                      = (known after apply)
      + source_dest_check                    = true
      + spot_instance_request_id             = (known after apply)
      + subnet_id                            = (known after apply)
      + tags                                 = {
          + "Name" = "UPES-EC2-Instnace"
        }
      + tags_all                             = {
          + "Name" = "UPES-EC2-Instnace"
        }
      + tenancy                              = (known after apply)
      + user_data                            = (known after apply)
      + user_data_base64                     = (known after apply)
      + user_data_replace_on_change          = false
```

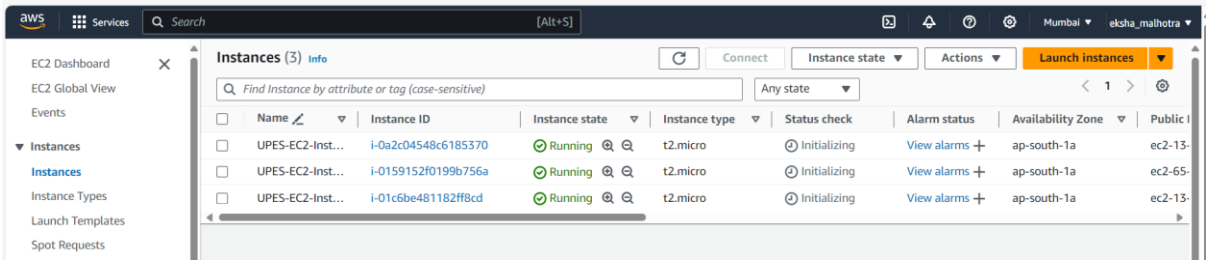
```
            + "Name" = "UPES-EC2-Instnace"
          }
        + tags_all                                   = {
            + "Name" = "UPES-EC2-Instnace"
          }
        + tenancy                                    = (known after apply)
        + user_data                                  = (known after apply)
        + user_data_base64                           = (known after apply)
        + user_data_replace_on_change                = false
        + vpc_security_group_ids                     = (known after apply)
      }

  # aws_instance.My-Instnace-03[0] will be created
  + resource "aws_instance" "My-Instnace-03" {
      + ami                                    = "ami-03f48787554349777f"
      + arn                                    = (known after apply)
      + associate_public_ip_address            = (known after apply)
      + availability_zone                      = (known after apply)
      + cpu_core_count                         = (known after apply)
      + cpu_threads_per_core                   = (known after apply)
      + disable_api_stop                       = (known after apply)
      + disable_api_termination                = (known after apply)
      + ebs_optimized                          = (known after apply)
      + get_password_data                      = false
      + host_id                                = (known after apply)
      + host_resource_group_arn                = (known after apply)
      + iam_instance_profile                   = (known after apply)
      + id                                     = (known after apply)
      + instance_initiated_shutdown_behavior   = (known after apply)
      + instance_lifecycle                     = (known after apply)
      + instance_state                         = (known after apply)
      + instance_type                          = "t2.micro"
      + ipv6_address_count                     = (known after apply)
      + ipv6_addresses                         = (known after apply)
      + key_name                               = (known after apply)
      + monitoring                             = (known after apply)
      + outpost_arn                            = (known after apply)
      + password_data                          = (known after apply)
      + placement_group                        = (known after apply)
      + placement_partition_number             = (known after apply)
      + primary_network_interface_id           = (known after apply)
      + private_dns                            = (known after apply)
      + private_ip                             = (known after apply)
      + public_dns                             = (known after apply)
      + public_ip                              = (known after apply)
      + secondary_private_ips                  = (known after apply)
      + security_groups                        = (known after apply)
      + source_dest_check                      = true
      + spot_instance_request_id               = (known after apply)
      + subnet_id                              = (known after apply)
      + tags                                   = {
          + "Name" = "UPES-EC2-Instnace"
        }
      + tags_all                               = {
          + "Name" = "UPES-EC2-Instnace"
        }
```

```
Plan: 3 to add, 0 to change, 0 to destroy.

─────────────────────────────────────────────────────────────────────────────

Note: You didn't use the -out option to save this plan, so Terraform can't guarantee to take exactly these actions if
you run "terraform apply" now.

F:\SEM 6\SPCM_LAB\SPCM_LAB_TERRAFORM>terraform apply

Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the following symbols:
  + create

Terraform will perform the following actions:

  # aws_instance.My-Instnace-01[0] will be created
  + resource "aws_instance" "My-Instnace-01" {
      + ami                                    = "ami-03f48787554349777f"
      + arn                                    = (known after apply)
      + associate_public_ip_address            = (known after apply)
      + availability_zone                      = (known after apply)
      + cpu_core_count                         = (known after apply)
      + cpu_threads_per_core                   = (known after apply)
      + disable_api_stop                       = (known after apply)
      + disable_api_termination                = (known after apply)
      + ebs_optimized                          = (known after apply)
      + get_password_data                      = false
      + host_id                                = (known after apply)
      + host_resource_group_arn                = (known after apply)
      + iam_instance_profile                   = (known after apply)
      + id                                     = (known after apply)
      + instance_initiated_shutdown_behavior   = (known after apply)
      + instance_lifecycle                     = (known after apply)
      + instance_state                         = (known after apply)
      + instance_type                          = "t2.micro"
      + ipv6_address_count                     = (known after apply)
      + ipv6_addresses                         = (known after apply)
      + key_name                               = (known after apply)
      + monitoring                             = (known after apply)
      + outpost_arn                            = (known after apply)
      + password_data                          = (known after apply)
      + placement_group                        = (known after apply)
      + placement_partition_number             = (known after apply)
      + primary_network_interface_id           = (known after apply)
      + private_dns                            = (known after apply)
      + private_ip                             = (known after apply)
      + public_dns                             = (known after apply)
      + public_ip                              = (known after apply)
      + secondary_private_ips                  = (known after apply)
      + security_groups                        = (known after apply)
      + source_dest_check                      = true
      + spot_instance_request_id               = (known after apply)
      + subnet_id                              = (known after apply)
      + tags                                   = {
          + "Name" = "UPES-EC2-Instnace"
        }
```

```
      + tags_all                                   = {
          + "Name" = "UPES-EC2-Instnace"
        }
      + tenancy                                    = (known after apply)
      + user_data                                  = (known after apply)
      + user_data_base64                           = (known after apply)
      + user_data_replace_on_change                = false
      + vpc_security_group_ids                     = (known after apply)
    }

  # aws_instance.My-Instnace-02[0] will be created
  + resource "aws_instance" "My-Instnace-02" {
      + ami                                        = "ami-03f48787554349777f"
      + arn                                        = (known after apply)
      + associate_public_ip_address                = (known after apply)
      + availability_zone                          = (known after apply)
      + cpu_core_count                             = (known after apply)
      + cpu_threads_per_core                       = (known after apply)
      + disable_api_stop                           = (known after apply)
      + disable_api_termination                    = (known after apply)
      + ebs_optimized                              = (known after apply)
      + get_password_data                          = false
      + host_id                                    = (known after apply)
      + host_resource_group_arn                    = (known after apply)
      + iam_instance_profile                       = (known after apply)
      + id                                         = (known after apply)
      + instance_initiated_shutdown_behavior       = (known after apply)
      + instance_lifecycle                         = (known after apply)
      + instance_state                             = (known after apply)
      + instance_type                              = "t2.micro"
      + ipv6_address_count                         = (known after apply)
      + ipv6_addresses                             = (known after apply)
      + key_name                                   = (known after apply)
      + monitoring                                 = (known after apply)
      + outpost_arn                                = (known after apply)
      + password_data                              = (known after apply)
      + placement_group                            = (known after apply)
      + placement_partition_number                 = (known after apply)
      + primary_network_interface_id               = (known after apply)
      + private_dns                                = (known after apply)
      + private_ip                                 = (known after apply)
      + public_dns                                 = (known after apply)
      + public_ip                                  = (known after apply)
      + secondary_private_ips                      = (known after apply)
      + security_groups                            = (known after apply)
      + source_dest_check                          = true
      + spot_instance_request_id                   = (known after apply)
      + subnet_id                                  = (known after apply)
      + tags                                       = {
          + "Name" = "UPES-EC2-Instnace"
        }
      + tags_all                                   = {
          + "Name" = "UPES-EC2-Instnace"
        }
      + tenancy                                    = (known after apply)
      + user_data                                  = (known after apply)
```


```
      + vpc_security_group_ids                     = (known after apply)
    }

  # aws_instance.My-Instnace-03[0] will be created
  + resource "aws_instance" "My-Instnace-03" {
      + ami                                        = "ami-03f48787554349777f"
      + arn                                        = (known after apply)
      + associate_public_ip_address                = (known after apply)
      + availability_zone                          = (known after apply)
      + cpu_core_count                             = (known after apply)
      + cpu_threads_per_core                       = (known after apply)
      + disable_api_stop                           = (known after apply)
      + disable_api_termination                    = (known after apply)
      + ebs_optimized                              = (known after apply)
      + get_password_data                          = false
      + host_id                                    = (known after apply)
      + host_resource_group_arn                    = (known after apply)
      + iam_instance_profile                       = (known after apply)
      + id                                         = (known after apply)
      + instance_initiated_shutdown_behavior       = (known after apply)
      + instance_lifecycle                         = (known after apply)
      + instance_state                             = (known after apply)
      + instance_type                              = "t2.micro"
      + ipv6_address_count                         = (known after apply)
      + ipv6_addresses                             = (known after apply)
      + key_name                                   = (known after apply)
      + monitoring                                 = (known after apply)
      + outpost_arn                                = (known after apply)
      + password_data                              = (known after apply)
      + placement_group                            = (known after apply)
      + placement_partition_number                 = (known after apply)
      + primary_network_interface_id               = (known after apply)
      + private_dns                                = (known after apply)
      + private_ip                                 = (known after apply)
      + public_dns                                 = (known after apply)
      + public_ip                                  = (known after apply)
      + secondary_private_ips                      = (known after apply)
      + security_groups                            = (known after apply)
      + source_dest_check                          = true
      + spot_instance_request_id                   = (known after apply)
      + subnet_id                                  = (known after apply)
      + tags                                       = {
          + "Name" = "UPES-EC2-Instnace"
        }
      + tags_all                                   = {
          + "Name" = "UPES-EC2-Instnace"
        }
      + tenancy                                    = (known after apply)
      + user_data                                  = (known after apply)
      + user_data_base64                           = (known after apply)
      + user_data_replace_on_change                = false
      + vpc_security_group_ids                     = (known after apply)
    }

Plan: 3 to add, 0 to change, 0 to destroy.
```

```
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_instance.My-Instnace-03[0]: Creating...
aws_instance.My-Instnace-01[0]: Creating...
aws_instance.My-Instnace-02[0]: Creating...
aws_instance.My-Instnace-02[0]: Still creating... [10s elapsed]
aws_instance.My-Instnace-01[0]: Still creating... [10s elapsed]
aws_instance.My-Instnace-03[0]: Still creating... [10s elapsed]
aws_instance.My-Instnace-02[0]: Still creating... [20s elapsed]
aws_instance.My-Instnace-03[0]: Still creating... [20s elapsed]
aws_instance.My-Instnace-01[0]: Still creating... [20s elapsed]
aws_instance.My-Instnace-02[0]: Creation complete after 26s [id=i-0a2c04548c6185370]
aws_instance.My-Instnace-01[0]: Creation complete after 27s [id=i-0159152f0199b756a]
aws_instance.My-Instnace-03[0]: Still creating... [30s elapsed]
aws_instance.My-Instnace-03[0]: Creation complete after 38s [id=i-01c6be481182ff8cd]

Apply complete! Resources: 3 added, 0 changed, 0 destroyed.
```



Step 6: Now perform Terraform Destroy to clean up:

```
F:\SEM 6\SPCM_LAB\SPCM_LAB_TERRAFORM>terraform destroy
aws_instance.My-Instnace-03[0]: Refreshing state... [id=i-01c6be481182ff8cd]
aws_instance.My-Instnace-01[0]: Refreshing state... [id=i-0159152f0199b756a]
aws_instance.My-Instnace-02[0]: Refreshing state... [id=i-0a2c04548c6185370]

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_instance.My-Instnace-01[0] will be destroyed
  - resource "aws_instance" "My-Instnace-01" {
      - ami                                  = "ami-03f4878755434977f" -> null
      - arn                                  = "arn:aws:ec2:ap-south-1:637423348062:instance/i-0159152f0199b756a" -> null
      - associate_public_ip_address          = true -> null
      - availability_zone                    = "ap-south-1a" -> null
      - cpu_core_count                       = 1 -> null
      - cpu_threads_per_core                 = 1 -> null
      - disable_api_stop                     = false -> null
      - disable_api_termination              = false -> null
      - ebs_optimized                        = false -> null
      - get_password_data                    = false -> null
      - hibernation                          = false -> null
      - id                                   = "i-0159152f0199b756a" -> null
      - instance_initiated_shutdown_behavior = "stop" -> null
      - instance_state                       = "running" -> null
      - instance_type                        = "t2.micro" -> null
      - ipv6_address_count                   = 0 -> null
      - ipv6_addresses                       = [] -> null
      - monitoring                           = false -> null
      - placement_partition_number           = 0 -> null
      - primary_network_interface_id         = "eni-09da1e69e703ba3f3" -> null
      - private_dns                          = "ip-172-31-46-118.ap-south-1.compute.internal" -> null
      - private_ip                           = "172.31.46.118" -> null
      - public_dns                           = "ec2-65-0-92-98.ap-south-1.compute.amazonaws.com" -> null
      - public_ip                            = "65.0.92.98" -> null
      - secondary_private_ips                = [] -> null
      - security_groups                      = [
          - "default",
        ] -> null
      - source_dest_check                    = true -> null
      - subnet_id                            = "subnet-0fb95688eaa188f7d" -> null
      - tags                                 = {
          - "Name" = "UPES-EC2-Instnace"
        } -> null
      - tags_all                             = {
          - "Name" = "UPES-EC2-Instnace"
        } -> null
      - tenancy                              = "default" -> null
      - user_data_replace_on_change          = false -> null
      - vpc_security_group_ids               = [
          - "sg-0c6b5aae418c53ba2",
        ] -> null

      - capacity_reservation_specification {
```

```
    - capacity_reservation_specification {
        - capacity_reservation_preference = "open" -> null
      }

    - cpu_options {
        - core_count       = 1 -> null
        - threads_per_core = 1 -> null
      }

    - credit_specification {
        - cpu_credits = "standard" -> null
      }

    - enclave_options {
        - enabled = false -> null
      }

    - maintenance_options {
        - auto_recovery = "default" -> null
      }

    - metadata_options {
        - http_endpoint               = "enabled" -> null
        - http_protocol_ipv6          = "disabled" -> null
        - http_put_response_hop_limit = 1 -> null
        - http_tokens                 = "optional" -> null
        - instance_metadata_tags      = "disabled" -> null
      }

    - private_dns_name_options {
        - enable_resource_name_dns_a_record    = false -> null
        - enable_resource_name_dns_aaaa_record = false -> null
        - hostname_type                        = "ip-name" -> null
      }

    - root_block_device {
        - delete_on_termination = true -> null
        - device_name           = "/dev/sda1" -> null
        - encrypted             = false -> null
        - iops                  = 100 -> null
        - tags                  = {} -> null
        - throughput            = 0 -> null
        - volume_id             = "vol-04d6479744095f96c" -> null
        - volume_size           = 8 -> null
        - volume_type           = "gp2" -> null
      }
  }

# aws_instance.My-Instnace-02[0] will be destroyed
- resource "aws_instance" "My-Instnace-02" {
    - ami                                  = "ami-03f48787554349771" -> null
    - arn                                  = "arn:aws:ec2:ap-south-1:637423348062:instance/i-0a2c04548c6185370" -> null
    - associate_public_ip_address          = true -> null
    - availability_zone                    = "ap-south-1a" -> null
    - cpu_core_count                       = 1 -> null
```

```
    - cpu_threads_per_core                   = 1 -> null
    - disable_api_stop                       = false -> null
    - disable_api_termination                = false -> null
    - ebs_optimized                          = false -> null
    - get_password_data                      = false -> null
    - hibernation                            = false -> null
    - id                                     = "i-0a2c04548c6185370" -> null
    - instance_initiated_shutdown_behavior   = "stop" -> null
    - instance_state                         = "running" -> null
    - instance_type                          = "t2.micro" -> null
    - ipv6_address_count                     = 0 -> null
    - ipv6_addresses                         = [] -> null
    - monitoring                             = false -> null
    - placement_partition_number             = 0 -> null
    - primary_network_interface_id           = "eni-09883271674178793" -> null
    - private_dns                            = "ip-172-31-45-164.ap-south-1.compute.internal" -> null
    - private_ip                             = "172.31.45.164" -> null
    - public_dns                             = "ec2-13-234-204-23.ap-south-1.compute.amazonaws.com" -> null
    - public_ip                              = "13.234.204.23" -> null
    - secondary_private_ips                  = [] -> null
    - security_groups                        = [
        - "default",
      ] -> null
    - source_dest_check                      = true -> null
    - subnet_id                              = "subnet-0fb95688eaa188f7d" -> null
    - tags                                   = {
        - "Name" = "UPES-EC2-Instnace"
      } -> null
    - tags_all                               = {
        - "Name" = "UPES-EC2-Instnace"
      } -> null
    - tenancy                                = "default" -> null
    - user_data_replace_on_change            = false -> null
    - vpc_security_group_ids                 = [
        - "sg-0c6b5aae418c53ba2",
      ] -> null

    - capacity_reservation_specification {
        - capacity_reservation_preference = "open" -> null
      }

    - cpu_options {
        - core_count       = 1 -> null
        - threads_per_core = 1 -> null
      }

    - credit_specification {
        - cpu_credits = "standard" -> null
      }

    - enclave_options {
        - enabled = false -> null
      }

    - maintenance_options {
        - auto_recovery = "default" -> null
```

```
      - metadata_options {
          - http_endpoint               = "enabled" -> null
          - http_protocol_ipv6          = "disabled" -> null
          - http_put_response_hop_limit = 1 -> null
          - http_tokens                 = "optional" -> null
          - instance_metadata_tags      = "disabled" -> null
        }

      - private_dns_name_options {
          - enable_resource_name_dns_a_record    = false -> null
          - enable_resource_name_dns_aaaa_record = false -> null
          - hostname_type                        = "ip-name" -> null
        }

      - root_block_device {
          - delete_on_termination = true -> null
          - device_name           = "/dev/sda1" -> null
          - encrypted             = false -> null
          - iops                  = 100 -> null
          - tags                  = {} -> null
          - throughput            = 0 -> null
          - volume_id             = "vol-0fd47691f9f057c4c" -> null
          - volume_size           = 8 -> null
          - volume_type           = "gp2" -> null
        }
    }

  # aws_instance.My-Instnace-03[0] will be destroyed
  - resource "aws_instance" "My-Instnace-03" {
      - ami                                  = "ami-03f4878755434977f" -> null
      - arn                                  = "arn:aws:ec2:ap-south-1:637423348062:instance/i-01c6be481182ff8cd" -> null
      - associate_public_ip_address          = true -> null
      - availability_zone                    = "ap-south-1a" -> null
      - cpu_core_count                       = 1 -> null
      - cpu_threads_per_core                 = 1 -> null
      - disable_api_stop                     = false -> null
      - disable_api_termination              = false -> null
      - ebs_optimized                        = false -> null
      - get_password_data                    = false -> null
      - hibernation                          = false -> null
      - id                                   = "i-01c6be481182ff8cd" -> null
      - instance_initiated_shutdown_behavior = "stop" -> null
      - instance_state                       = "running" -> null
      - instance_type                        = "t2.micro" -> null
      - ipv6_address_count                   = 0 -> null
      - ipv6_addresses                       = [] -> null
      - monitoring                           = false -> null
      - placement_partition_number           = 0 -> null
      - primary_network_interface_id         = "eni-04af9f7a4fa3a82f4" -> null
      - private_dns                          = "ip-172-31-36-27.ap-south-1.compute.internal" -> null
      - private_ip                           = "172.31.36.27" -> null
      - public_dns                           = "ec2-13-127-181-85.ap-south-1.compute.amazonaws.com" -> null
      - public_ip                            = "13.127.181.85" -> null
      - secondary_private_ips                = [] -> null
      - security_groups                      = [
          - "default",
```

```
          - "default",
        ] -> null
      - source_dest_check                    = true -> null
      - subnet_id                            = "subnet-0fb95688eaa188f7d" -> null
      - tags                                 = {
          - "Name" = "UPES-EC2-Instnace"
        } -> null
      - tags_all                             = {
          - "Name" = "UPES-EC2-Instnace"
        } -> null
      - tenancy                              = "default" -> null
      - user_data_replace_on_change          = false -> null
      - vpc_security_group_ids               = [
          - "sg-0c6b5aae418c53ba2",
        ] -> null

      - capacity_reservation_specification {
          - capacity_reservation_preference = "open" -> null
        }

      - cpu_options {
          - core_count       = 1 -> null
          - threads_per_core = 1 -> null
        }

      - credit_specification {
          - cpu_credits = "standard" -> null
        }

      - enclave_options {
          - enabled = false -> null
        }

      - maintenance_options {
          - auto_recovery = "default" -> null
        }

      - metadata_options {
          - http_endpoint               = "enabled" -> null
          - http_protocol_ipv6          = "disabled" -> null
          - http_put_response_hop_limit = 1 -> null
          - http_tokens                 = "optional" -> null
          - instance_metadata_tags      = "disabled" -> null
        }

      - private_dns_name_options {
          - enable_resource_name_dns_a_record    = false -> null
          - enable_resource_name_dns_aaaa_record = false -> null
          - hostname_type                        = "ip-name" -> null
        }

      - root_block_device {
          - delete_on_termination = true -> null
          - device_name           = "/dev/sda1" -> null
          - encrypted             = false -> null
          - iops                  = 100 -> null
```

```
Plan: 0 to add, 0 to change, 3 to destroy.

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

aws_instance.My-Instnace-03[0]: Destroying... [id=i-01c6be481182ff8cd]
aws_instance.My-Instnace-01[0]: Destroying... [id=i-0159152f0199b756a]
aws_instance.My-Instnace-02[0]: Destroying... [id=i-0a2c04548c6185370]
aws_instance.My-Instnace-03[0]: Still destroying... [id=i-01c6be481182ff8cd, 10s elapsed]
aws_instance.My-Instnace-01[0]: Still destroying... [id=i-0159152f0199b756a, 10s elapsed]
aws_instance.My-Instnace-02[0]: Still destroying... [id=i-0a2c04548c6185370, 10s elapsed]
aws_instance.My-Instnace-02[0]: Still destroying... [id=i-0a2c04548c6185370, 20s elapsed]
aws_instance.My-Instnace-03[0]: Still destroying... [id=i-01c6be481182ff8cd, 20s elapsed]
aws_instance.My-Instnace-01[0]: Still destroying... [id=i-0159152f0199b756a, 20s elapsed]
aws_instance.My-Instnace-03[0]: Still destroying... [id=i-01c6be481182ff8cd, 30s elapsed]
aws_instance.My-Instnace-02[0]: Still destroying... [id=i-0a2c04548c6185370, 30s elapsed]
aws_instance.My-Instnace-01[0]: Still destroying... [id=i-0159152f0199b756a, 30s elapsed]
aws_instance.My-Instnace-01[0]: Destruction complete after 31s
aws_instance.My-Instnace-02[0]: Still destroying... [id=i-0a2c04548c6185370, 40s elapsed]
aws_instance.My-Instnace-03[0]: Still destroying... [id=i-01c6be481182ff8cd, 40s elapsed]
aws_instance.My-Instnace-02[0]: Destruction complete after 41s
aws_instance.My-Instnace-03[0]: Destruction complete after 41s

Destroy complete! Resources: 3 destroyed.
```