

```
resource "azurerm_resource_group" "rgs" {
  for_each = {
    "West Europe"    = "rg1"
    "Canada Central" = "rg2"
    "Central India"  = "rg3"
  }
  name      =
  location = "West Europe"
}
```

"West Europe" = "rg1"

+ resource "azurerm\_resource\_group" "rgs" {  
 + id = (known after apply)  
 + location = each.key  
 + name = each.value  
}

each.key =West Europe  
each.value = rg1

"Canada Central" = "rg2"

+ resource "azurerm\_resource\_group" "rgs" {  
 + id = (known after apply)  
 + location = "westeurope"  
 + name = "rgdhondhu"  
}

each.key = Canada Central  
each.value = rg2

"Central India" = "rg3"

+ resource "azurerm\_resource\_group" "rgs" {  
 + id = (known after apply)  
 + location = "westeurope"  
 + name = "rgdhondhu"  
}

each.key = Central india  
each.value = rg3

LIST = only rg name

["rg1", "rg2", "rg3"]

Problem

Sirf rg ka naam hi sambhal paa rahe hai...

MAP = only rg name and location

```
resource "azurerm_resource_group" "rgs" {
  for_each = var.rgs
  name      = each.key
  location  = each.value
}
```

```
START
rgs = {
  "rg1" = {
    name = "rg-tutu"
    location = "West Europe"
  }

  "rg2" = {
    name = "rg-lulu"
    location = "Canada Central"
  }

  "rg3" = {
    name = "rg-kuku"
    location = "Central India"
  }
}
END
```

1. rgs ho gya variable.

2. rg me dal rahe hai nested map.

3. ye nested map hota hai map ke andar map

4. map kya hota hai

{  
key = value  
key = value  
key = value  
}

```
resource "azurerm_resource_group" "rgs" {
  for_each = var.rgs
  rg1 = {
    name = "rg-tutu"
    location = "West Europe"
  }
  name      = each.key
  location  = each.value.location
}
```

each.value = {  
 name = "rg-tutu"  
 location = "West Europe"  
}

each.value.name = "rg-tutu"  
each.value.location = "West Europe"

rgs (variable)= {  
rg1 = {  
 name = "rg-tutu"  
 location = "West Europe"  
}  
rg2 = {  
 name = "rg-lulu"  
 location = "Canada Central"  
}  
rg3 = {  
 name = "rg-kuku"  
 location = "Central India"  
}  
}

map yka

CHILD MODULES

- RG, VNET, subnet
- Vnet Peering, VPN Gateway, KeyVault, Bastion
- Storage Account, VM, VMSS
- Azure Functions, Logic Apps, AKS, ACI
- Web App and App Service Plans
- Loadbalancer
- Application Gateway
- FrontDoor
- Traffic Manager
- NSG, ASG, Firewall
- Azure Policies (Builtin and Custom)
- Azure SQL Database, Cosmos DB
- Azure Monitor, Log Analytics Workspace,
- KQL Query, Prometheus+Grafana, PromQL
- Backup Vaults, ASR, Azure Backups
- Azure Sentinel, Defender, Advisor, Cost Calculator

Remaining Terraform Topics

Dynamic Block

Data Block

Output Block

Locals Block

Provisioner + User Data Script

Null and Taint

Terraform Functions and Import Block