

Problem ko samjhna and samjhaha pana is very important...

Github Actions ka MahaSangram 1 PM - 3:30 PM

Aaj ka Agenda...  
Agla dukh paida karna...  
And us dukh ko solve karna..

Requirement = 5 RG in one location = West Europe

Ab 50 banana hai RG

Meta Argument matlab aisa argument jo har resource block me jaa sake...

Loop(meta\_arguments)

Count

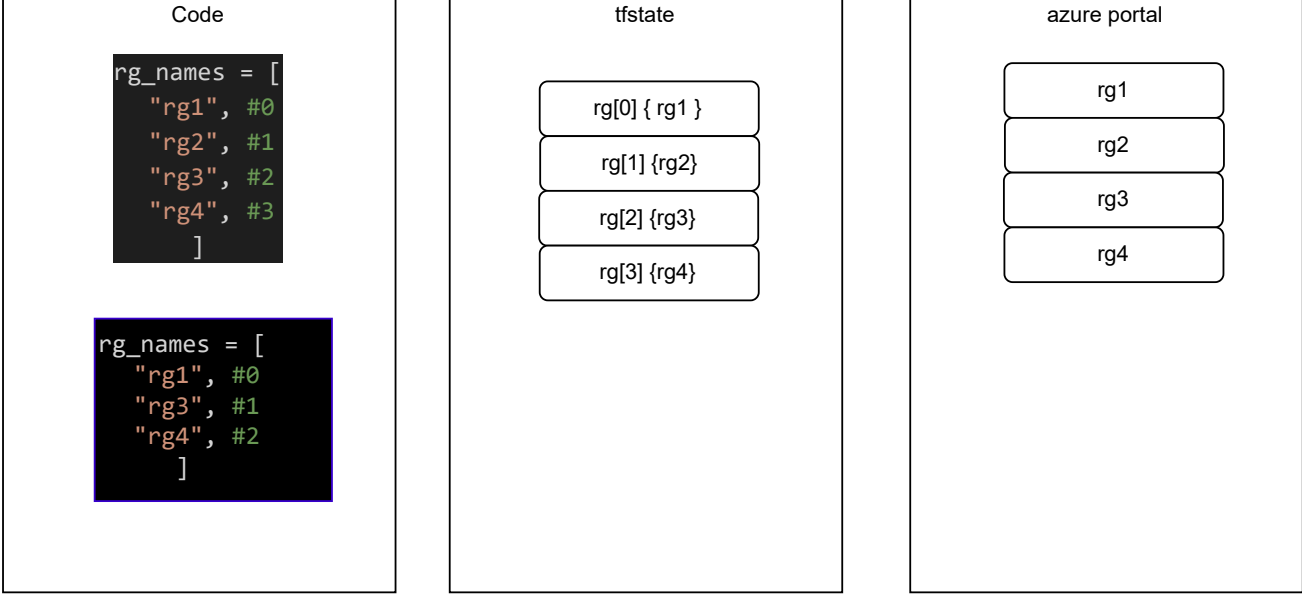
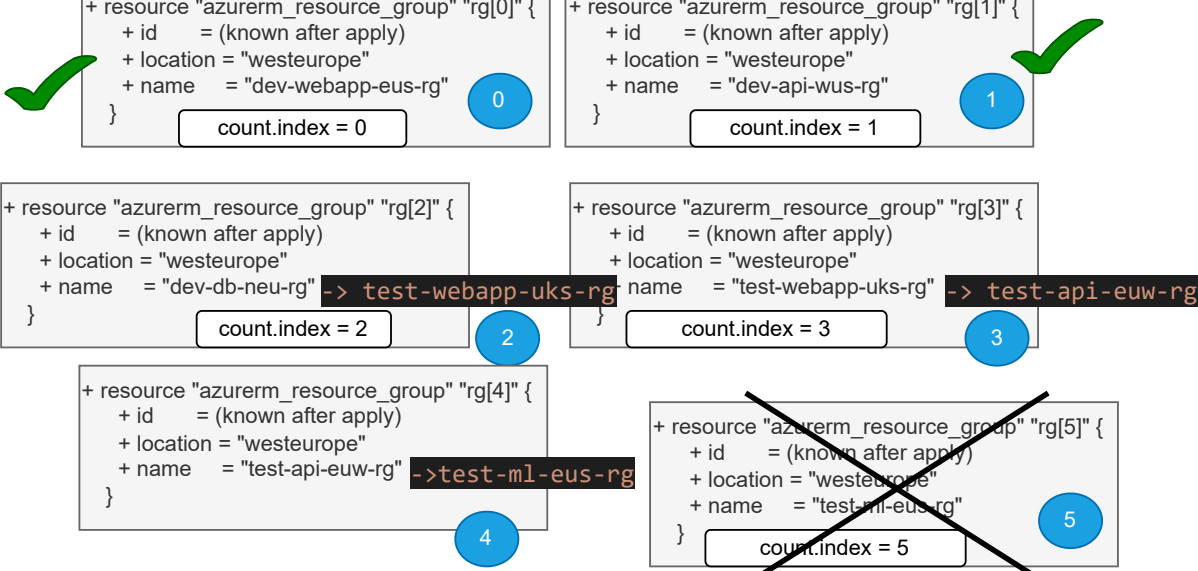
For\_each

Requirement = 5 RG in one location = West Europe

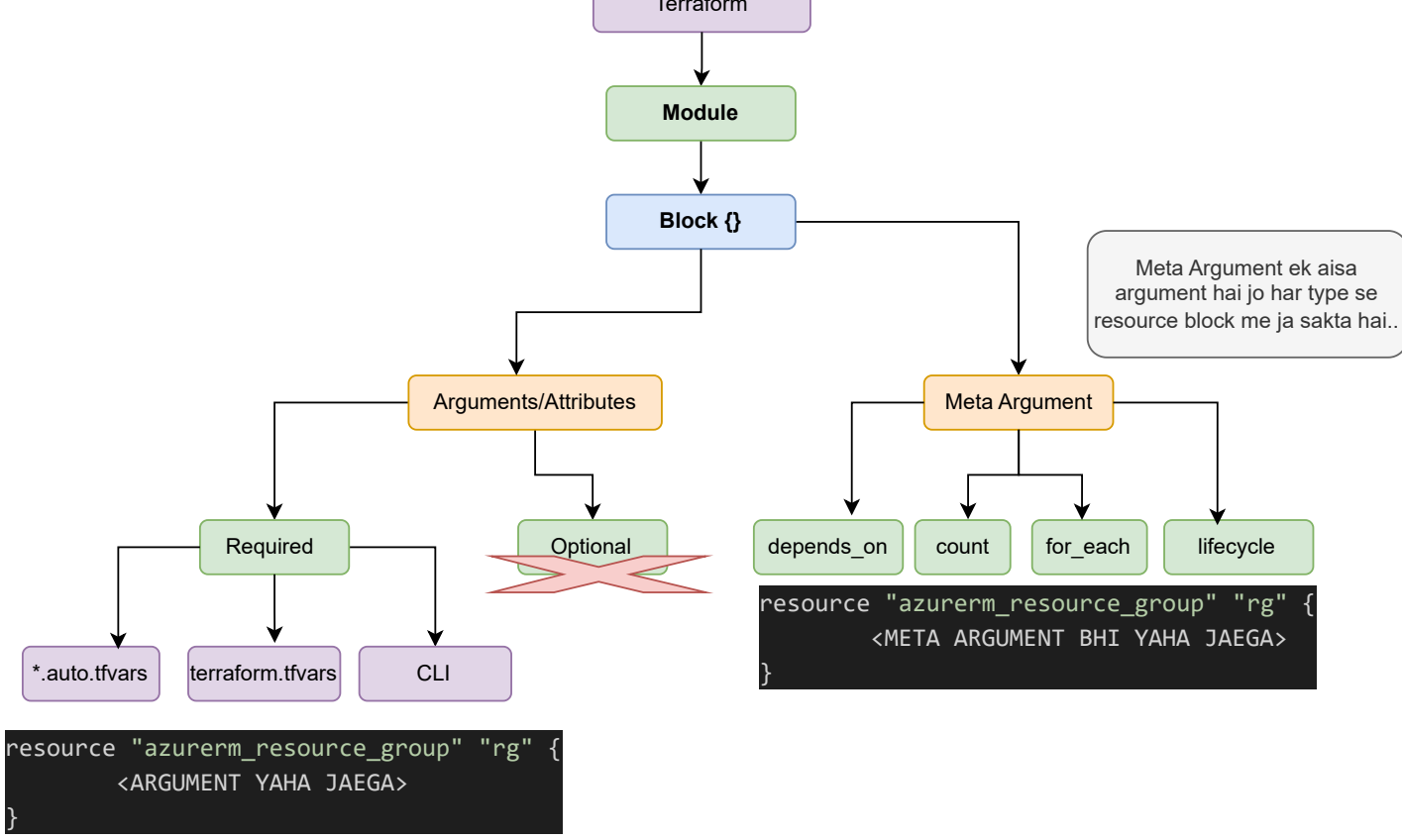
```
resource "azurerm_resource_group" "resource_group" {  
  count = length(var.rg_names)  
  name = var.rg_names[count.index]  
  location = "West Europe"  
}
```

```
resource "azurerm_resource_group" "resource_group" {  
  count = 5  
  name = var.rg_names[count.index]  
  location = "West Europe"  
}
```

```
rg_names = [  
  "dev-webapp-eus-rg", #0  
  "dev-api-wus-rg", #1  
  "test-webapp-uks-rg", #2  
  "test-api-euw-rg", #3  
  "test-ml-eus-rg", #4  
]
```



count.index = 4



provider Defines the provider (like AWS, Azure, GCP, etc.) you're using.  
resource Defines an infrastructure object to be created (e.g., an EC2 instance).  
data Fetches data from providers (read-only).  
variable Declares input variables.  
output Declares values to be shown after applying a plan.  
module Imports and configures external or local modules.  
locals Defines local variables within the configuration.  
terraform Configures backend, required providers, and settings.  
backend Declares backend configuration (inside terraform block).

Aaj ka Agenda

Count + List

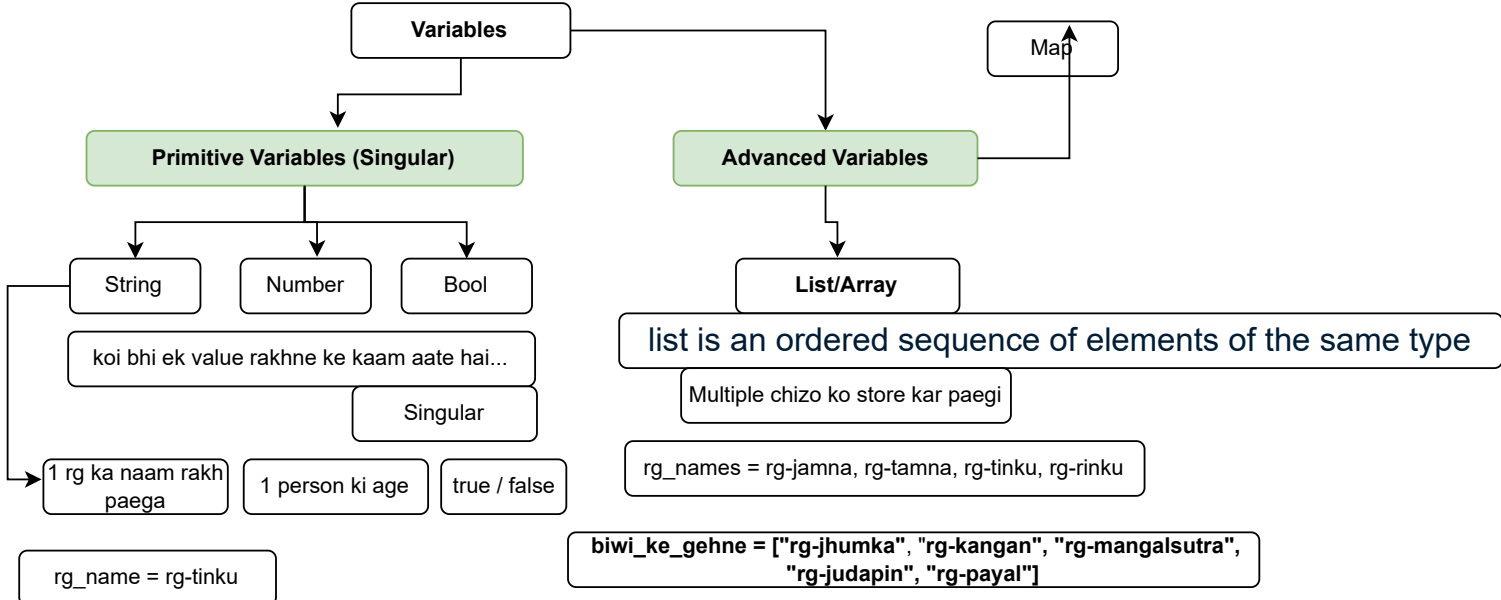
For-Each + List

For-Each + Map

Aaj ka requirement = 5 rg in one region

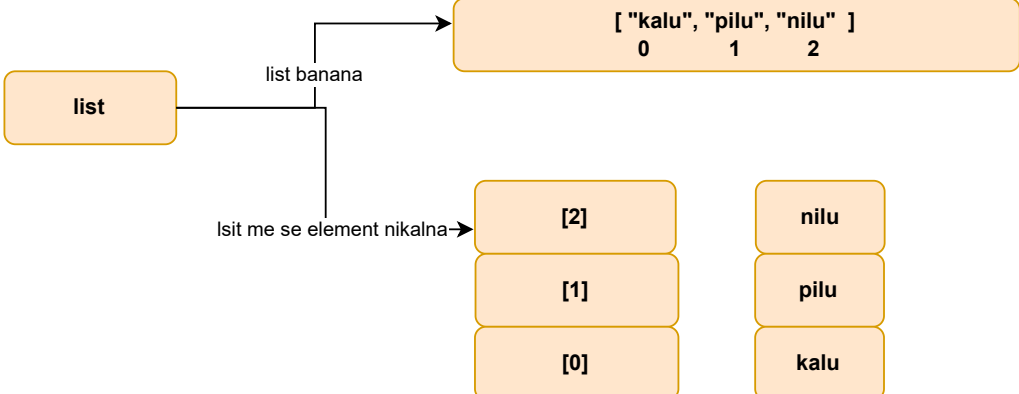
String Interpolation

`${count.index}`



```
variable "biwi_ke_gehne" {  
  type = list(string)  
  default = ["rg-jhumka", "rg-kangan", "rg-mangalsutra", "rg-judapin", "rg-payal"]  
}
```

```
resource "azurerm_resource_group" "rg1" {  
  name = var.biwi_ke_gehne[1]  
  location = "West Europe"  
}
```



Count Loop

+

list

Terraform functions ke bare me padke aana hai

For Each

```
resource "azurerm_resource_group" "resource_group" {  
  for_each = toset(var.rg_names)  
  name = each.key  
  location = "West Europe"  
}
```

```
rg_names = [  
  "rg11", #0  
  "rg12", #1  
  "rg13", #2  
  "rg14", #3  
]
```

