Very Very Important Points
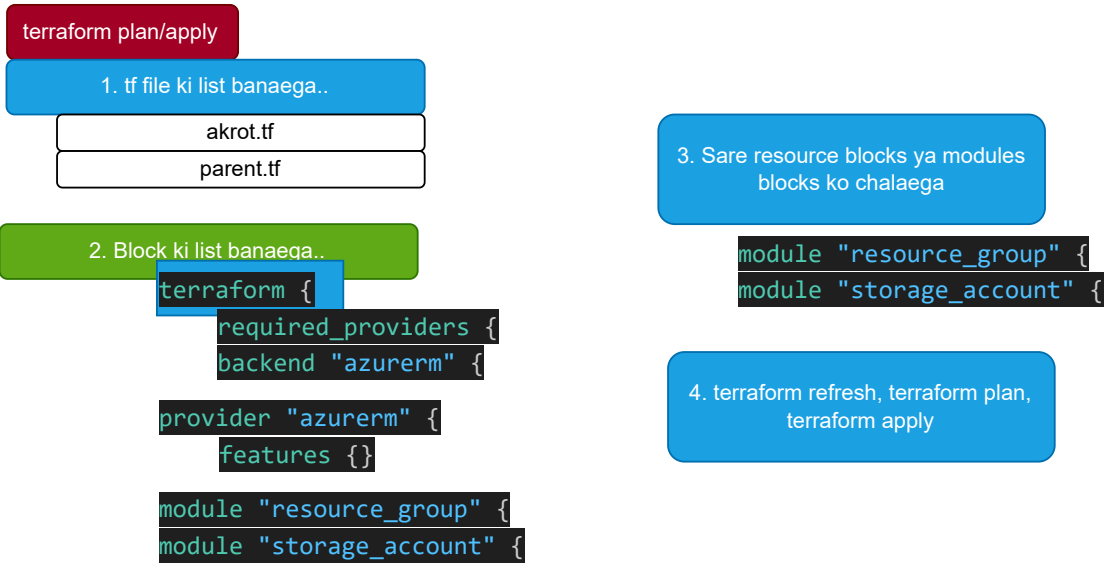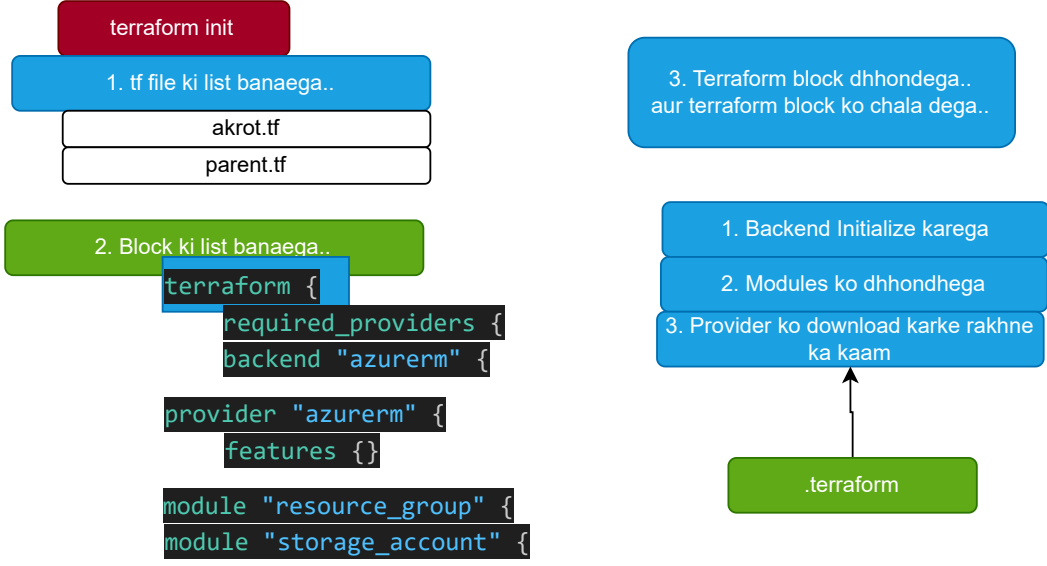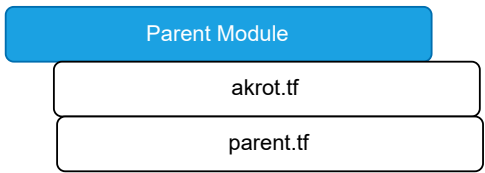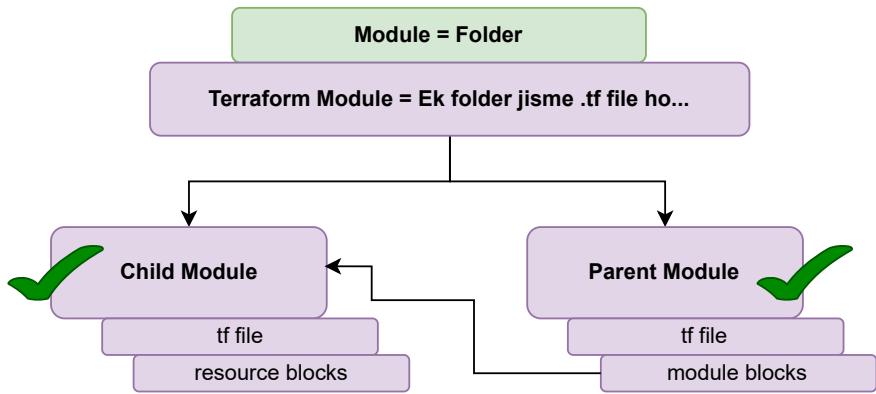**Harna hai lekin Har aakhri na ho!**
Interview dene ka wait nahi karna hai..

Terraform init chalane pr kya hota hai...
.terraform me kya hota hai..

1. Modules

2. Providers/Plugins

3. tfstate ki ek local copy

Pure .terraform folder ko kholna hi paap hai...

New Dard's

Bar bar same chiz copy paste karna pd raha hai...

Hardcoded hai storage account ka naam.. badi dikkat hai..

Module = Folder

Terraform Module = Ek folder jisme .tf file ho...

Child Module ✅

tf file

resource blocks

Parent Module ✅

tf file

module blocks

Parent Module

akrot.tf

parent.tf

terraform init

1. tf file ki list banaega..

akrot.tf

parent.tf

2. Block ki list banaega..

```
terraform {
    required_providers {
    backend "azurerm" {

provider "azurerm" {
    features {}

module "resource_group" {
module "storage_account" {
```

3. Terraform block dhhondega..
aur terraform block ko chala dega..

1. Backend Initialize karega

2. Modules ko dhhondhega

3. Provider ko download karke rakhne ka kaam

.terraform

terraform plan/apply

1. tf file ki list banaega..

akrot.tf

parent.tf

2. Block ki list banaega..

```
terraform {
    required_providers {
    backend "azurerm" {

provider "azurerm" {
    features {}

module "resource_group" {
module "storage_account" {
```

3. Sare resource blocks ya modules blocks ko chalaega

```
module "resource_group" {
module "storage_account" {
```

4. terraform refresh, terraform plan, terraform apply

resource_group Child Module

resource_group.tf

```
resource "azurerm_resource_group" "rg" {
resource "azurerm_resource_group" "rg1" {
resource "azurerm_resource_group" "rg2" {
```

Child Module ka Dard

1. Agar multiple rg banane hai toh hame multiple time code copy karna pad raha hai..

Parent Module
name = "rg-dhondhu"
location = "West Europe"

Parent Module
name = "rg-tondu"
location = "Central India"

resource group child module

```
name     = ""
location = ""
```

bank deposit slip

Account Number = ""

Name = ""

Amount = ""

Terraform Loop

count

foreach

Terraform Variables

String

normal text, alphanumeric values

" "(Double quotes)

name = "Kalu123"

fruit_name = "Mango"

Number

5, 6 ,7 ,15, 50000

Bina Double quotes

amount = 50000

Boolean

true/false

Bina Double quotes

rent = false

List/Array

Same type of elements ka collection hoti hai..

[ ] = Chokor Dabba

fruits = ["mango", "kiwi", "orange"]

List of Strings

age = [98, 88, 99]

List of Numbers

Map (naksha)

UK

Pakistan

India

Islamabad

New Delhi

London

Singular = ek

1 Manglo Khalo

Plural = anek

Fruits Khalo

mango, kiwi, orange, watermelon, musk melon, grapes